



Product Catalog



Direct Sales to:

- Builders
- Utilities
- Contractors
- Agencies
- Trades
- ESCOs



Energy Efficient Lighting
Ventilation Equipment
Air Sealing Products
Spray Foam Kits
Meters & Testing Equipment

About Us



EFI is your trusted advisor for energy efficiency.

Products

Since 1982, EFI has been supplying energy efficient products to:

- Utilities
- Weatherization Programs
- Energy Service Providers
- Contractors
- Property Managers
- Colleges and Universities

We work closely with manufacturers to purchase high quality materials in quantities that allow us to sell at competitive prices and ship within 24 hours from in stock inventory.

At EFI we take pride in our:

- Product Knowledge
- Technical Expertise
- Warehousing and Logistics

Helping our clients choose the correct products for their needs along with our fast service distinguishes EFI. We maintain an extensive assortment of inventory representing thousands of items, insuring that our customers receive product when and where they need it.



Services

EFI works with dozens of utility companies and other providers of energy efficiency programs across the country. We have consistently helped our clients reach and often exceed their annual goals for KWh savings. We will help you build customer loyalty and brand enhancement.

EFI provides expertise in the areas of:

- Rebate Processing
- Incentive Programs
- Large Scale Product ("Kit") Distribution Initiatives
- Website Development

Our proprietary software captures all the information our clients need. We are able to report on product usage, penetration rates and customer satisfaction metrics in real time.

With over 30 years of experience EFI knows what types of programs, products and services work well. We are always available to share best practices and serve as a trusted advisor and partner to our clients.



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LED Lighting



EFI offers a wide array of Light Emitting Diode (LED) lighting. LEDs offer better light quality than incandescent bulbs, last 25,000 or more hours, and use even less energy than Compact Fluorescent Bulbs (CFL).

Most good quality LEDs are rated to last 20-40,000 hours. This usually translates to a 6-10 year lifetime depending on usage. (One year is 8,760 hours.)

LEDs offer the following advantages over incandescent and compact fluorescent lighting:

- LEDs do not contain mercury, lead or cadmium
- Very low energy use
- Directed, focused light
- Low "total cost of ownership" because of long lifetime
- Instant on, even in extremely low temperatures
- Durable with regard to impact and vibration
- No ultra-violet rays — will not fade fabrics or paintings

LED Wattage	Approx. Incandescent Equivalent	Lumens/output
6-8w	40w	~450
10w	60w	~800
12-14w	75w	~1,100
15-19w	100w	~1,600



LED Lighting

A Lamps



A Lamps are suitable replacements for general use incandescent or compact fluorescent light bulbs.



1100.296
1100.295



1100.4074
1100.0187



1100.157
1100.158



1100.1571



1100.1553
1100.1552

		Lumens	Watt	Kelvin	Hours	Dimensions (L x W)	Case
A Lamps							
1100.296	Cree A19	450	6	2,700	25,000	4.4" x 2.4"	6
1100.4074	TCP A19	450	7	2,700	25,000	4.5" x 2.4"	12
1100.157	Philips A19	470	8	2,700	25,000	4.0" x 2.25"	6
1100.295	Cree A19	800	9.5	2,700	25,000	4.4" x 2.4"	6
1100.0172	TCP A19	800	10	2,700	25,000	4.5" x 2.6"	8
1100.1571	Philips A19 Slim	800	10.5	2,700	25,000	4.1" x 2.7"	6
1100.158	Philips A21	830	11	2,700	25,000	4.0" x 2.25"	6
1100.1552	Philips A21	1,080	15	2,700	25,000	4.8" x 2.5"	6
1100.0187	TCP A21	1100	13	2,700	25,000	5.3 x 3.1	12
1100.0188	TCP A21	1600	18	2,700	25,000	5.3 x 3.1	12
1100.1553	Philips A21	1,680	19	2,700	25,000	4.8" x 2.5"	6

LED Lighting

Reflectors



		Lumens	Watt	Kelvin	Hours	Dimensions (L x W)	Case
LED Floods and Reflectors							
R-16							
1100.983	GE R-16 — Non-dimming	200	4.5	3,000	25,000	2.87" x 2.0"	6
1100.4073	TCP R-16	340	7	2,700	25,000	2.5" x 2"	12
R-20							
1160.973	Philips R-20	470	8	3,000	45,000	3.25" x 2.5"	6
1160.534	TCP BR-20	500	8	2,700	25,000	3.25" x 2.5"	12
1160.7231	TCP R-20	500	8	2,700	25,000	3.5" x 2.5"	12
R-30							
1160.538	TCP R-30	650	10	2,700	25,000	5.4" x 3.8"	12
1160.9823	Philips R-30	730	9.5	2,700	25,000	5.1" x 3.75"	12
1160.532	TCP R-30	850	12	2,700	25,000	5.4" x 3.8"	12
R-38							
1160.9997	TCP R-38	850	14	2,700	25,000	5.3" x 4.8"	12
R-40							
1440.913	Cree CR6 Module	625	9.5	2,700	50,000	Fits 6" Rec Can	10
1440.911	Cree CR6 Module	800	12	2,700	50,000	Fits 6" Rec Can	10
1160.9831	Philips BR-40	800	12	2,700	50,000	7.3" x 5."	6
1160.536	TCP BR-40	850	12	2,700	25,000	6.6" x 5"	12
1160.535	TCP BR-40	1200	17	2,700	25,000	6.6" x 5"	12
Retrofit							
1440.414	TCP Rec Can Module 4"	650	10	3,000	35,000	Fits 4" Rec Can	6
1160.9994	TCP Rec Can Module 6"	650	12	2,700	35,000	Fits 5" or 6" Rec Can	6
1440.413	TCP Rec Can Module 6"	820	14	3,000	35,000	Fits 5" or 6" Rec Can	6

LED Lighting

Reflectors



R-16



1100.983



1100.4073



1160.973



1160.534



1160.7231

R-30

1160.538
1160.532

1160.9823



1160.9997

R-38

R-40



1160.9831

1160.536
1160.5351440.913
1440.911

Retrofit



1440.414

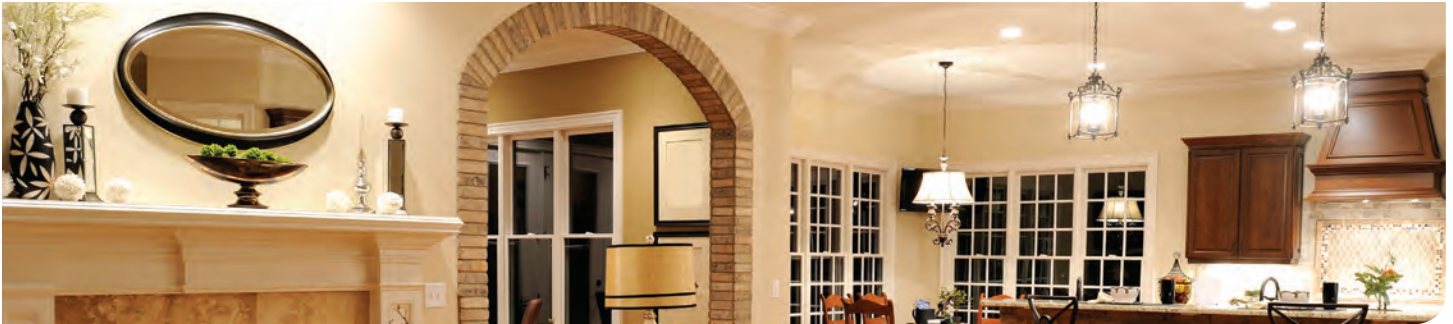
1160.9994
1440.413

How a bulb is measured



LED Lighting

Decorative, MR-16s, and Globes



Decorative

MR16



1100.989



1100.0181



1100.0178



1100.9092



1100.0177



1100.0173

Globes



1100.987



1100.539



1100.8087



1100.695

		Lumens	Watt	Kelvin	Hours	Dimensions (L x W)	Case
Decorative							
1100.989	GE Candle Base – Clear Flame	75	2	3,000	15,000	4.1" x 1.38"	3
1100.0181	TCP Candle Base – Clear Torpedo	300	5	2,700	25,000	3.8" x 1.4"	12
1100.0178	TCP Medium Base – Clear Torpedo	300	5	2,700	25,000	3.8" x 1.4"	12
MR16							
1100.9092	MaxLite MR16 (GU 5.3 base)	400	5	2,700	25,000	2.0" x 2.0"	12
1100.0177	TCP MR16 (GU 5.3 base)	500	7	2,700	25,000	2.0" x 2.0"	12
1100.0173	TCP MR16 (GU 10 base)	500	7	2,700	25,000	2.5" x 2.0"	12
Globes							
1100.987	GE Globe	95	2.3	3,000	15,000	4.3" x 3.12"	3
1100.539	TCP Globe	300	5	2,700	25,000	4.3" x 3.1"	6
1100.8087	TCP Globe	500	8	2,700	25,000	4.3" x 3.1"	6
1100.695	Feit Globe	510	8	3,000	25,000	4.35" x 3.15"	12



LED Light Fixtures

All MaxLite LED fixtures have the following features:

- Energy saving replacement for metal halide and high-pressure sodium fixtures
- Heavy-duty die cast aluminum one-piece housing is polyester TGIC
- 50,000 hour life at L70 standards
- Replaces fixtures from 100 watt incandescent through 175 watt metal halide fixtures
- 5 Year Limited Warranty

Ask us about other commercial lighting options!

MaxLite LED Wall Packs

- *Lens:* High quality shock-proof poly carbonate
- *Driver:* Self contained driver meets UL 1310 UL 48 Class2
- Can mount to recessed outlet box or direct to surface
- Occupancy / Dusk to dawn sensor compatible

30w MaxLite LED Wallpack

- 2,300 Lumens
- 5,000° Kelvin Temperature
- 14.25" x 9" x 7.5"
- 150w Metal Halide Equivalency



40w MaxLite LED Wallpack

- 2,000 Lumens
- 5,000° Kelvin Temperature
- 18.5" x 9.5" x 9"
- 175w Metal Halide Equivalency



37w MaxLite LED Garage Canopy

- 2,930 Lumens
- 5,000° Kelvin Temperature
- 12.25" x 12.25" x 9"
- 175w Metal Halide Equivalency



MaxLite LED Floods

- *Lens:* Black ceramic frit on tempered glass for reduced glare and improved finish
- *Mounting:* All models come with yoke arm standard and NPT fitting adaptor included
- Full flood classification with ultra wide 80 degree flood beam angle

14w MaxLite LED Flood

- 1,160 Lumens
- 5,000° Kelvin Temperature
- 3.4" x 4.5" x 4.0"



25w MaxLite LED Flood

- 1,670 Lumens
- 5,000° Kelvin Temperature
- 5.6" x 7.1" x 5.4"



45w MaxLite LED Flood

- 3,620 Lumens
- 5,000° Kelvin Temperature
- 7.6" x 8.9" x 6.3"



Ordering Information

MaxLite LED Wall Packs	
1300.552	30w MaxLite LED Wallpack
1300.570	40w MaxLite LED Wallpack
1300.554	37w MaxLite LED Garage Canopy

MaxLite LED Floods	
1300.609	14w MaxLite LED Flood
1300.6081	25w MaxLite LED Flood
1300.6071	45w MaxLite LED Flood

LED Light Fixtures



14.5w LED Replacement T-8

- Plug and play – no need to re-wire
- Reduce wattages from 32w to 14.5w
- 40,000 life
- Rugged plastic tube — unbreakable
- No phosphors



LED Exit Sign

- 25 Year lifetime
- Draws less than 2w
- Double sided, Universal mounting
- UL listed for use in damp locations
- 6 volt maintenance free nickel cadmium battery
- 1.5 hours of operation in the case of a power outage
- Dimensions: 12.75" x 8.5" x 1.75"



LED Exit Sign Screw In Lamps

- Retrofit most existing signs
- Red LEDs
- 4.7" x 1.25"
- 10 year life expectancy
- UL 924 specifications
- Set of 2 lamps includes candelabra, intermediate and bayonet base adapters



LED Night Light

- Direct plug-in
- Blue LEDs behind a plastic diffuser
- Soft light for a room or hall
- Photocell operated — no on/off switch



Ordering Information

Philips LED Insta-fit		LED Exit Sign Screw In Lamps	
1000.691	14w LED Replacement T8—4000k	1180.092	Set of 2 Lamps Plus Adaptors
LED Exit Sign		LED Night Light	
1180.1	LED Exit Sign	1600.222	LED Nightlight

Compact Fluorescent Lighting

EFL offers a wide selection of compact fluorescent lights (CFLs). CFLs are designed to produce a high-quality, incandescent-like warm light and use about 70% less electricity than conventional incandescent lights.

Most good quality CFLs are rated to last between 8,000 and 12,000 hours. This usually translates to a 2-4 year lifetime depending on usage. (One year is 8,760 hours.)

Not all dimming switches are compatible with dimming CFLs. There are times when flickering and/or buzzing may occur with certain switch and lamp combinations. If you are looking for CFLs for a dimming application, we suggest that you buy a small quantity of dimming CFLs and try them in your application before re-lamping a large area.

Unless specified, CFLs are not rated for use in outdoor fixtures. If used outdoors they should be in an enclosed fixture protected from the elements. Enclosed post lights and porch ceiling fixtures are good places to install CFLs.

CFL Wattage	Approx. Incandescent Equivalent	Lumens/output
5w	25w	~250
7-10w	40w	~450
11w	40w	~600
13w	50-60w	~750
15w	60w	~900
20w	75w	~1,200
23w	90w	~1,400
26w	100w	~1,700
42w	150w	~2,600



Compact Fluorescent Lighting

Spirals and A Lamps



		Wattage	Lumens	Kelvin	Hours	Dimensions	Case	Min Temp
Spirals								
1100.128	TCP	13	800	2,700	10,000	4.4" x 1.7"	12	-20°F
1100.138	TCP	20	1,200	2,700	10,000	4.4" x 2.3"	12	-20°F
1100.053	Maxlite	20	1,200	5,000	10,000	4.9" x 2.4"	12	0°F
1100.139	TCP	23	1,600	2,700	10,000	4.8" x 2.3"	12	-20°F
1100.339	TCP	27	1,850	2,700	10,000	5.4" x 2.3"	48	-20°F
1100.198	Maxlite	30	1,900	2,700	8,000	5.6" x 2.8"	12	0°F
1100.924	Maxlite	42	2,600	2,700	8,000	6.2" x 2.8"	24	0°F
Spirals — 3-way								
1100.828	Maxlite	30-70-100	2,100	2,700	10,000	6.1" x 2.65"	12	-0°F
Spirals — Dimmable								
1100.770	TCP	14	1,500	2,700	10,000	4.4" x 2.0"	12	-20°F
"A" Lamps								
1100.910	Maxlite	13	800	2,700	10,000	4.2" x 2.4"	12	0°F
1100.794	TCP	14	700	2,700	8,000	4.58" x 2.4"	48	-20°F
1100.9271	Maxlite	18	1,100	2,700	8,000	5.1" x 2.6"	24	0°F
"A" Lamps Dimmable								
1100.728	TCP	16	850	2,700	12,000	5.5" x 2.4"	48	0°F
"A" Lamps — Dimmable — Cold Cathode								
1100.010	TCP	5	200	2,700	25,000	4.0" x 2.0"	48	-20°F
1100.302	Litetrionics	8	325	2,850	18,000	4.9" x 2.4"	15	0°F

Compact Fluorescent Lighting

Reflectors



Most recessed cans are 4, 5 or 6" openings. Choose a reflector that will fit the can you are working with.

- R-30 reflectors are 3.75" across the face
- R-38 reflectors are 4.75" across the face
- R-40 reflectors are 5" across the face

		Wattage	Lumens	Kelvin	Hours	Dimensions	Case	Min Temp
Reflectors								
R-30								
1160.659	TCP	14	645	2,700	8,000	5.4" x 3.7"	16	-20°F
1160.471	Philips	15	750	2,700	10,000	5.7" x 3.7"	6	-22°F
1160.619	GE	16	750	2,700	10,000	5.5" x 3.7"	10	5°F
R-38								
1160.08	Feit	23	1,300	2,650	6,000	5.8" x 4.7"	12	-27°F
R-40								
1160.6381	TCP	19	950	2,700	8,000	5.9" x 5.0"	12	-20°F
1160.613	GE	26	1,300	2,700	10,000	6.5" x 5.0"	12	-15°F

Compact Fluorescent Lighting

Decorative and Globes



Decorative bulbs are commonly used in decorative fixtures where you can see the light bulb.



Globes are commonly used in bathroom vanity bars.

		Wattage	Lumens	Kelvin	Hours	Dimensions	Case	Min Temp	Base
Decorative									
1100.758	TCP	9	425	2,700	8,000	4.4" x 1.75"	48	-20°F	Candelabra
1100.760	TCP	14	720	2,700	8,000	5.4" x 1.9"	48	-20°F	Candelabra
1100.102	Maxlite	7	340	2,700	10,000	4.8" x 1.4"	24	0°F	Medium
1100.753	TCP	9	425	2,700	8,000	4.8" x 1.6"	48	-20°F	Medium
1100.079	GE	9	430	2,700	6,000	5.4" x 1.75"	10	5°F	Medium
1100.754	TCP	14	720	2,700	8,000	5.4" x 2.4"	48	-20°F	Medium
Decorative — Dimmable — Cold Cathode									
1100.020	TCP	5	190	2,700	25,000	4.8" x 1.4"	48	-20°F	Candelabra
1100.125	TCP	5	200	2,700	25,000	4.8" x 1.4"	48	-20°F	Medium
1100.122	TCP	8	300	2,700	25,000	6.4" x 2.0"	48	-20°F	Medium
Decorative — Dimmable									
1100.709	Bulbrite	25	300	2,700	3,000	3.9" x 1.5"	10	0	Candelabra
1100.707	Bulbrite	25	300	2,700	3,000	3.9" x 1.5"	10	0	Medium
Globes									
1100.755	TCP	9	490	2,700	8,000	4.2" x 3.1"	24	-20°F	
1100.945	Feit	11	550	2,700	8,000	4.25" x 3.15"	48	-27°F	
1100.905	Maxlite	14	800	2,700	10,000	4.7" x 3.1"	12	0°F	
1100.784	TCP	14	800	2,700	8,000	4.9" x 3.25"	24	-20°F	
1100.242	Feit	15	980	2,700	8,000	6.2" x 3.5"	12	-27°F	
1100.767	TCP	19	950	2,700	8,000	4.9" x 3.7"	24	-20°F	



CFL Residential Fixtures

All of our fixtures have the following features and benefits:

- ENERGY STAR Listed
- GU24 Self Balasted
- No hum or buzz

Lighting Fixtures

White Ceiling Dome

- Textured White Finish with Alabaster Glass



Brushed Nickel Ceiling Dome

- Brushed Nickel Finish with Alabaster Glass



Brushed Nickel Vanity

- Brushed Nickel Finish with Alabaster Glass



Ordering Information

			Wattage	Incandescent Equivalent	Dimensions	Bulb Quantity
White Ceiling Dome						
1420.8018	SATCO 60-2636	7 1/2"	13	60	7.5" x 5"	1
1420.8016	SATCO 60-2628	11"	26	100	11.375" x 4.875"	2
1420.8015	SATCO 60-2631	15"	39	120-140	15.25" x 6"	3
Brushed Nickel Ceiling Dome						
1420.8035	SATCO 60-2633	7 1/2"	13	60	7.5" x 5"	1
1420.8014	SATCO 60-2621	11"	26	100	11.375" x 4.875"	2
1420.8013	SATCO 60-2623	15"	39	120-140	15.25" x 6"	3
Brushed Nickel Vanity						
1400.504	SATCO 60-3209	24"	39	120-140	24" x 7.625"	3
1400.505	SATCO 60-3211	30"	52	200-220	30" x 7.625"	4

			Replacement	Quantity Needed
Replacement Lamp Guide				
1000.919 13w GU24 T2 Spiral OR 1000.9195 11w GU24 LED	1420.8018			1
	1420.8016			2
	1420.8015			3
	1420.8035			1
	1420.8014			2
	1420.8013			3
	1400.504			3
	1400.505			4



1000.919



1000.9195

Whole House Ventilation

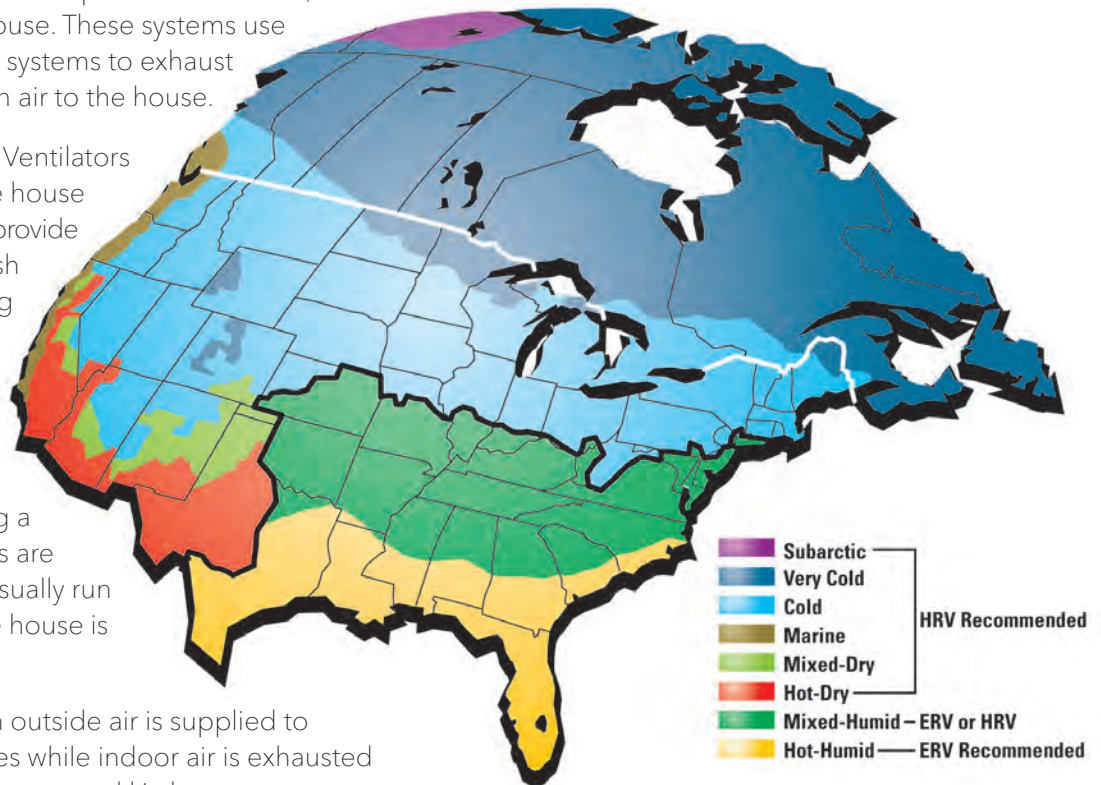


Whole-house ventilation systems provide controlled, uniform ventilation throughout a house. These systems use one or more fans and duct systems to exhaust stale air and/or supply fresh air to the house.

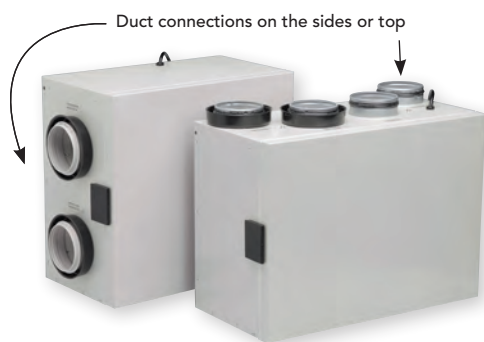
Heat and Energy Recovery Ventilators (HRVs and ERVs) are whole house ventilation systems that can provide a continuous stream of fresh outside air while exhausting stale indoor air. These machines are the best ventilation solution available for comfort, health and safety when constructing or remodeling a tight home. HRVs and ERVs are low flow systems that are usually run continuously whenever the house is closed up.

In typical installations, fresh outside air is supplied to bedrooms and home offices while indoor air is exhausted from bathrooms, exercise rooms and kitchens.

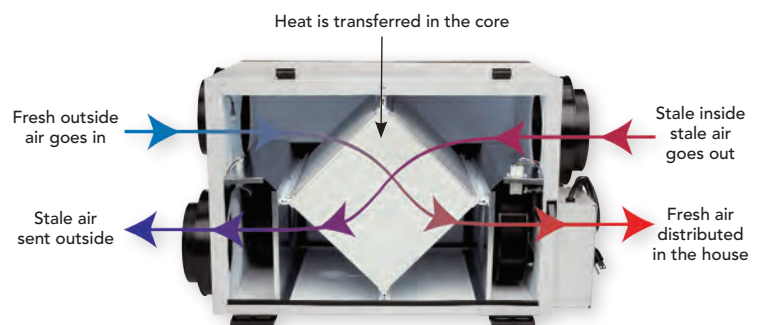
ERVs transfer heat and humidity.
HRVs transfer heat only.



What HRVs and ERVs look like



Super Compact Model — only 22" x 11" x 18"
with easy to use 4" duct ports



Larger Whole House Models measure
approx. 28" x 20" x 17" and use 6" duct ports

INFORMATION: Ventilate the people, not the house. Supply fresh air to bedrooms, home offices, dining rooms: Places where people spend a lot of time. Exhaust air from bathrooms, exercise rooms, laundry rooms and hobby rooms; places where moisture and odors are generated. Don't worry about large open areas that see little activity.



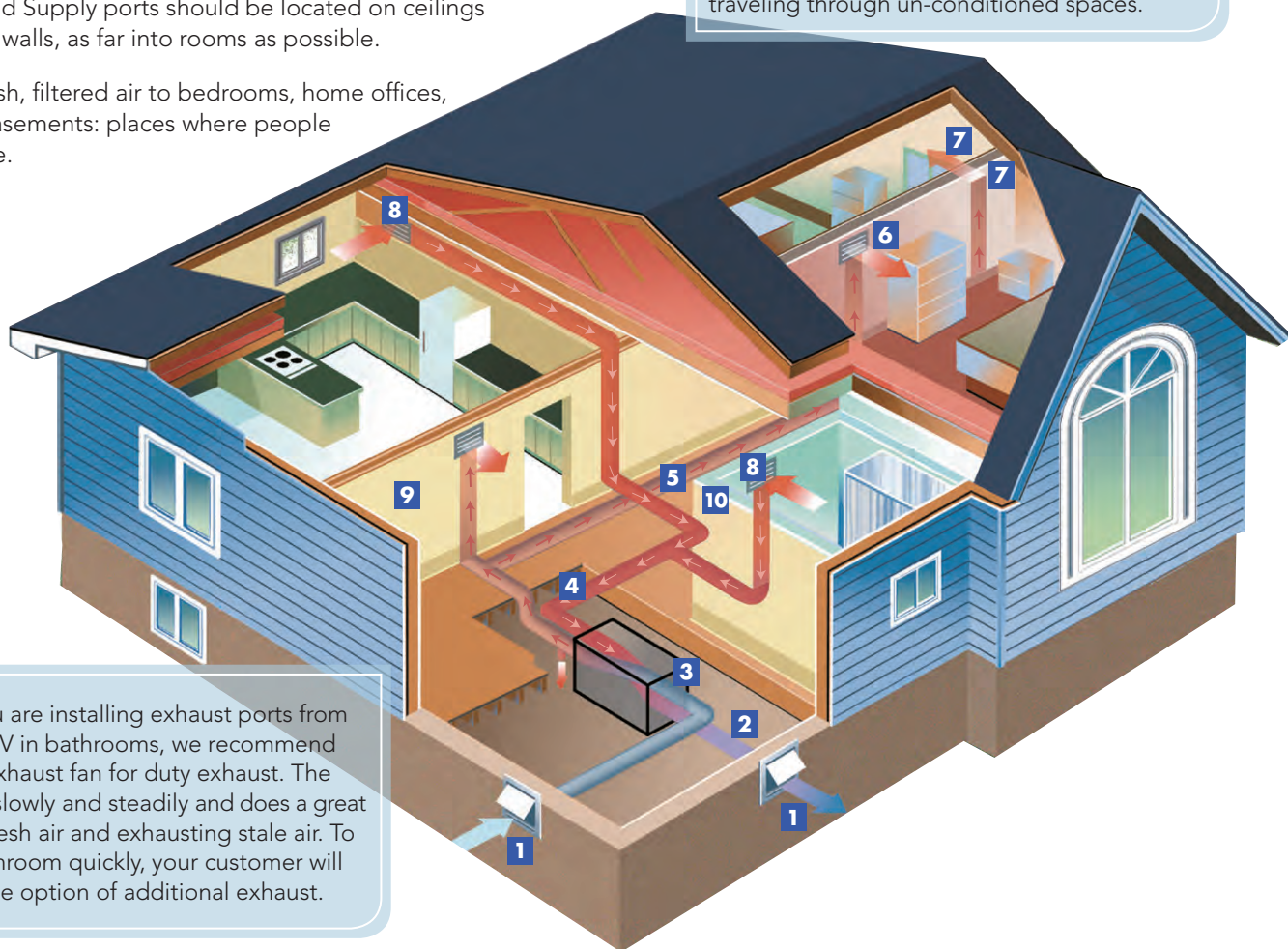
Whole House Ventilation

The following installation tips start from the outside of the house and work to the inside duct system, machine, controls and exhaust/supply ports:

1. Exterior hoods for exhaust and supply should be installed at least 6' apart. One hood brings in fresh air, the other exhausts stale air. Combination hoods with separate streams are now available.
2. Short, round duct runs are installed from the HRV/ERV to the outside hoods. Best to insulate these short runs to avoid condensation.
3. HRV/ERVs are typically suspended from the basement ceiling. A hanging kit comes with the machine. Heat/humidity transfer happens in the core of the HRV/ERV.
4. 6" or 8" round rigid ducts should be used for trunk lines.
5. 4" branch lines are often used to travel through inside walls and other framing.
6. Exhaust and Supply ports should be located on ceilings or high on walls, as far into rooms as possible.
7. Deliver fresh, filtered air to bedrooms, home offices, finished basements: places where people spend time.
8. Exhaust stale air from bath rooms, kitchens, hobby and exercise rooms: places that generate moisture and odors.
9. Low voltage Central Control should be located in the main body of the house but not the kitchen area. Make it easy for the occupant to see and operate.
10. Low voltage boost switches get located in rooms where exhaust ports are installed — bath rooms, hobby and exercise rooms.

Call EFI Wholesale for further information and guidance.
We want you to ventilate right!

INFORMATION: All duct runs should be as straight as possible. Use rigid duct with few elbows. It is important to insulate any duct traveling through un-conditioned spaces.



TIP: Even if you are installing exhaust ports from your HRV or ERV in bathrooms, we recommend also using an exhaust fan for duty exhaust. The HRV/ERV runs slowly and steadily and does a great job providing fresh air and exhausting stale air. To evacuate a bathroom quickly, your customer will want to have the option of additional exhaust.

Venmar HRVs and ERVs



All Venmar HRVs and ERVs have the following features and benefits:

• Includes pressure taps and balancing dampers	Simplified installation
• Tight back draft dampers	Positive close when machine is off — no leakage
• Defrost Sensors — Time and Temperature	Protects the core from freezing
• Removable terminal block	Quick wall control connections
• 5 year warranty	

K Series Heat and Energy Recovery Ventilators

- Small Compact Size, installs easily in tight spaces
- 4" ports, simple duct connections
- Lightweight — only 30 lbs., easy to handle and mount
- Both top and side ports available

TIP: These units are a perfect choice for small homes, apartments, family rooms, finished basements, hobby rooms, or master bedroom suites.



E Series Heat and Energy Recovery Ventilator

- ECM motors
- Integrated balancing dampers
- 6" metal top ports to simplify installation
- Homeshield™ defrost system
- 4 speed range settings
- ENERGY STAR® Qualified

TIP: The E Series units are ideal for homes up to 2,000 square feet and feature ECM motors for long life and higher energy efficiency at low speeds.



Ordering Information

		CFM @ .4" w.g.	Power	Dimensions W x H x D
Venmar K Series Heat Recovery Ventilators				
5506.027	Venmar AVS K7 HRV — 4" Top Ports	35–70	46	16" x 19" x 16"
5506.028	Venmar AVS K8 HRV — 4" Top Ports	37–77	37	16" x 19" x 16"
5506.029	Venmar AVS K8 HRV — 4" Side Ports	37–77	37	20" x 17" x 16"
5506.033	Venmar AVS K10 HRV — 4" Top Ports	45–90	39	16" x 19" x 16"
5506.034	Venmar AVS K10 HRV — 4" Side Ports	45–90	39	20" x 17" x 16"
Venmar K Series Energy Recovery Ventilators				
5506.031	Venmar AVS K7 ERV — 4" Top Ports	35–70	34	16" x 19" x 16"
5506.032	Venmar AVS K7 ERV — 4" Side Ports	35–70	34	20" x 17" x 16"
Venmar E Series Heat Recovery Ventilators				
5506.025	Venmar E Series HRV — 6" Top Ports	40–157	24–32	24" x 25" x 15"
Venmar E Series Energy Recovery Ventilators				
5506.026	Venmar E Series ERV — 6" Top Ports	40–140	26–37	24" x 25" x 15"

Venmar Wall Controls

Altitude Auto — Premium Central Control

- Automatic and programmable control (keeps in memory all ventilation settings even after a power failure)
- Digital display with backlight (blue or green)
- Day, hour and periods of the day displayed
- Dynamic display showing ventilation status (air exchange or recirculation), and also inside and outside temperature
- Maintenance indicator



Deco-Touch — Simplified Central Control

- Allows the user to choose either the manual modes or the automatic mode (dehumidistat)
- 1" x 1" LCD display
- Digital display with blue backlighting
- Dynamic exchange and recirculation indicators
- Interior relative humidity displayed
- Maintenance indicator



Lite-Touch — Basic Central Control

The light indicator of this wall control shows clearly in which operating mode the unit is.

This push-button control has three functions:

- Intermittent (low speed air exchange for 20 minutes, then off for 40 minutes)
- Min (low speed air exchange)
- Max (high speed air exchange)
- Not compatible with the E Series Ventilator



20/40/60 Minute Push Button

This timer allows the unit to turn on high speed during 20, 40 or 60 minutes to expel rapidly indoor stale air. Within 2 seconds, press once for 20 minutes, twice for 40 minutes or three times for a 60-minute activation. Press another time to deactivate.



Ordering Information

Wall Controls	
5506.125	Altitude Auto Wall Control
5506.123	Deco-Touch Wall Control — Min/Max/Intermittent/Dehumidistat
5506.121	Lite-Touch Wall Control — Min/Max/Intermittent
5506.112	20/40/60 Min Push Button — Boost

Panasonic Whisper Comfort ERV

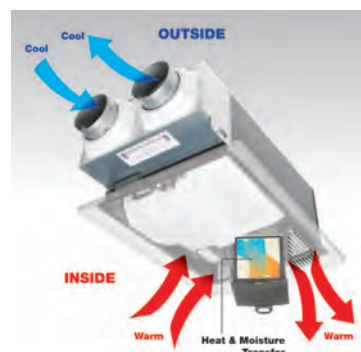


Whisper Comfort ERV — Energy Recovery Ventilator

Whisper Comfort uses two 4" round ducts to exhaust stale air while providing fresh air. Using a capillary core, both heat and humidity are transferred during the process of bringing in fresh air and exhausting stale air.

- Balanced and quiet ventilation
- Two settings available:
 - 10 CFM continuous low with 20 CFM boost
 - 20 CFM continuous low with 40 CFM boost
- 0.8 Sones on high speed, less than 0.3 on low
- Use standard switches to operate off/on and high/low (switches not included)
- Capillary Exchange Core transfers both heat and humidity
- Frost protection — outside damper closes at low temperature to prevent freeze up
 - Above 32°F — Exhaust and supply fully open
 - From 32°F to 20°F — Supply closes for 30 minutes, opens for 1 hour
 - Below 20°F — Supply closes for one hour and opens for 10 minutes

- One motor running two blower wheels
- Two filters — one for each air stream
- Low profile grille design



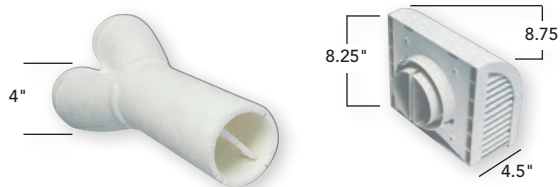
TIP: Perfect for use in master bedrooms, home offices, hobby rooms. Can be mounted vertically on side wall if necessary.

62.2 Continuous Ventilation Rate Requirement

Floor Area	# of Bedrooms		
	0–1	2–3	4–5
<1500	30	45	60
1501–3000	45	60	75
3001–4500	60	75	90
4501–6000	75	90	105

Whisper Comfort Exterior Wall Cap

- Dual chamber for exhaust/supply
- One penetration



Ordering Information

		CFM	Sones	Power	Duct
Panasonic Whisper Quiet ERV					
5505.12	ERV FV-04VE1	10/20 or 20/40	0.8	23w max	2 x 4"
Whisper Comfort Wall Cap					
5505.181	FV-WC04VE1	Dual Chamber — Includes Outside Cap			



Ventilation Information

ASHRAE 62.2 Ventilation Guideline

ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers) is an organization that develops standards for the HVAC industry.

62.2 is a standard that has been set for ventilation and indoor air quality for residential low-rise buildings. This applies to single family homes and up to three story multi-family homes. 62.2 allows for supply systems, exhaust systems and balanced systems to achieve the standard.

If you are being asked to comply with the ASHRAE 62.2 Standard for ventilation, it is important that you talk to your favorite training organization or work with organizations like the Home Performance Coalition, BPI or RESNET to receive guidance. These standards have changed over the years and it is important to get the latest information and training. For instance, one of the more recent innovations to the 62.2 standard is the allowance of some amount of natural infiltration to be taken in to consideration when calculating the necessary ventilation rate.

Go to ashrae.org for the most current information and more specific detail.

Definitions of Terms

Energy Recovery Ventilator (ERV)

An ERV transfer both heat and humidity. Use an ERV in humid climates where air conditioning is used extensively. During the cooling season this system will bring in fresh air cooling it down while transferring the incoming humidity to the outgoing stream. During the winter months, the ERV will transfer heat and humidity to the incoming stream helping to keep the home environment comfortable.

Heat Recovery Ventilator (HRV)

An HRV transfers heat only from the outgoing air stream to the incoming air stream while condensing moisture in the core which is drained through a condensate tube. Use an HRV in the cold Northeast, Midwest and also in the dry Southwest.

HVI

The Home Ventilating Institute (HVI) is an independent testing organization that certifies various specifications and characteristics of ventilation equipment. All of the ventilation equipment that EFI carries has been HVI certified. For more information, test results and definitions go to hvi.org.

Sone

A sone is a unit of measure for loudness. HVI uses sone measures to compare noise levels for ventilation equipment. As a real world comparison, 1 sone is approximately equivalent to the sound level of a quiet refrigerator in a quiet room. 3 sones is three times as loud as 1 sone.

The most common, inexpensive bath fans that we have used for decades are typically 5 to 7 sones. The quality fans that EFI sells are often 1.5 sones or less.

There are no sone level ratings or comparisons for remote mounted fans as a testing method has not been established to compare the various installation variances.

Whole House Exhaust Fan

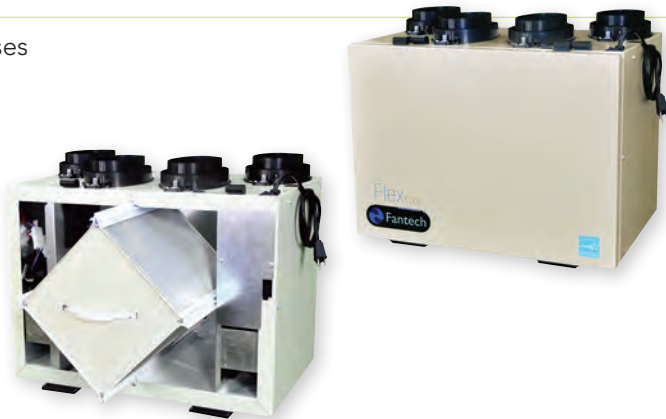
Exhaust ventilation systems work by depressurizing the home. Balanced fan motors draw outside air into your home through doors and windows while blowing indoor air up into the attic where it leaves the house through ridge, soffit or gable vents.



Fantech HRV Flex 100H

Specially designed for small and multi-family buildings, townhouses and apartments, the Flex HRV fits into tight spaces, closets and maintenance rooms.

- Compact design for tight spaces — fits in a 24" closet space
- Powerful and quiet — boost capability to 150 CFM
- Lightweight and quick to install — weighs only 39 lbs.
- Easy to balance — taps for balancing are on the HRV ports
- Wiring made simple — low voltage wiring tap snaps in and out for easy installation and hook up



Super Compact Heat Recovery Ventilators

Perfect Solution for homes under 1,500 square feet.

- 4" ducts – easy to install
- Single Speed Continuous — 70 CFM
- Super Compact Size — 22" x 11" x 18" — only 25 lbs.
- 40w electrical use
- Electrostatic filters included — washable
- 3' Power Cord
- Fully lined with 1" aluminum foil faced polystyrene foam
- Two EBM motors, balanced sealed and permanently lubricated



24 Hour Mechanical
Timer (not included)

TIP: Use these units to provide fresh air for small spaces like finished basements, master bedroom suites, hobby rooms, home offices, or small homes less than 1,500 square feet.

Ordering Information

			CFM	Dimensions W x H x D
Fantech HRV Flex 100H				
5504.158	HRV Flex 100H		100 (150 on boost)	15.625" x 14.5" x 21.5"
Fantech Super Compact Heat Recovery Ventilators				
5504.152	SH 704	Compact HRV — 4" Side Ports	70	22" x 11" x 18
5504.154	VH 704	Compact HRV — 4" Top Ports	70	22" x 11" x 18
5504.155	VHR 704	Compact HRV — 4" Top Ports 3 speed	70	22" x 11" x 18
5504.153	SE 704N	Compact ERV — 4" Side Ports	70	22" x 11" x 18
24 Hour Mechanical Timer				
5010.16	120v — 15 Amp plug-in 24 Hour Timer			

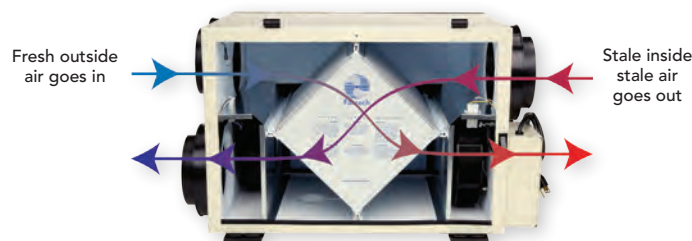
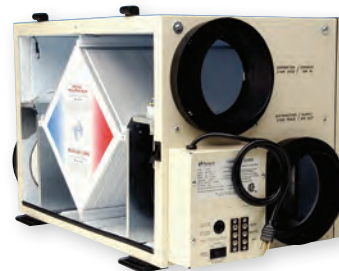
Fantech Whole House Ventilation Systems



Whole House Heat and Energy Recovery Ventilators

HRVS and ERVS for larger homes — greater than 1,500 square feet.

- 6" ports for quiet operation
- Cross flow heat recovery core provides continuous fresh air
- Electrostatic filters included — washable
- 150w electrical use
- Automatic defrost activates when outdoor air is below 23°F
- "R" Series features an extra port to re-circulate interior air
- Three operational speeds for enhanced performance
- Control box on the outside for easy wiring



INFORMATION: See page 16 and 17 for further detail about how these machines operate and installation tips.

Ordering Information

CFM @ .4ESP L-M-H				Dimensions W x H x D
Fantech Whole House Heat and Energy Recovery Ventilators				
For Homes Smaller Than 2000 Square Feet				
HRV with 6" Side Ports				
5504.01	SHR 1504	HRV	63 – 100 – 153	28" x 16" x 17"
5504.05	SHR 1505 R	HRV	63 – 100 – 153	28" x 17" x 17"
ERV with 6" Side Ports				
5504.1	SER 1504	ERV	50 – 100 – 153	28" x 16" x 17"
For Homes Smaller Than 3000 Square Feet				
HRV with 6" Side Ports				
5504.02	SHR 2004	HRV	60 – 115 – 200	32" x 20" x 17"
5504.06	SHR 2005 R	HRV	60 – 115 – 200	32" x 20" x 17"
HRV with 6" Top Ports				
5504.146	VHR 2004	HRV	60 – 115 – 200	28" x 21" x 17"
5504.148	VHR 2005 R	HRV	60 – 115 – 200	28" x 21" x 17"
ERV with 6" Side Ports				
5504.11	SER 2004	ERV	50 – 90 – 190	32" x 20" x 17"
For Homes Larger Than 3000 Square Feet				
HRV with 6" Side Ports				
5504.07	SHR 3005 R	HRV	65 – 120 – 235	50" x 22" x 17"

Fantech Whole House Ventilation Systems



Controls For Fantech HRVs and ERVs

Eco-Touch Central Control

- Clean modern style and look
- Compatible with all Fantech HRVs and ERVs
- Easy to program separate day and night settings
- Automatic and manual modes
- Humidity level can be set for both high and low
- Boost to high speed with just a touch
- Displays indoor temperature and relative humidity
- All settings maintained during power outages



Basic Central Control — Humidity Activated

- Boosts to high speed when humidity rises above set point
- Accurate to $\pm 5\%$



20 Minute Boost Timer

- Typically used in bathrooms for duty cycling
- 2 wires, low voltage



20, 40, or 60 Minutes Boost Timer

- 3 wires low wattage

Air Exchanger

- Simple, efficient and economical ventilation
- Provides approximately 50 CFM of outside air exchange
- Three operating speeds, continuous at low or medium
- Includes on/off control with dehumidistat
- Washable filter is easy to reach
- 81w electrical use



Whole House HEPA Filtration System

- Tie into an existing duct system or create an independent re-circulation loop
- 99.97% effective down to 0.3 microns
- Collects airborne particles and allergens
- Cleans the air in an average house once each hour
- Circulation rate = 240 cubic feet per minute
- Pre-wired with 5' cord, 3 prong plug, 115 vac
- Includes a pre-filter for large particles and a carbon filter for odors.
- Two duct ports 8" round



Ordering Information

Central Controls For Fantech HRVs AND ERVs		Boost Controls For Fantech HRVs and ERVs	
5504.66	Fantech Eco-Touch Wall Control	5504.64	20 Minute Boost Timer
5504.51	Basic Dehumidistat with on/off — 4 wires	5504.641	20-40-60 Minute Boost Timer
5504.55	Basic Dehumidistat with NO on/off — 2 wires		

		CFM	Dimensions W x H x D
Fantech Air Exchanger			
5504.20	AEV 1000 with Timer	42 – 60 – 104	22" x 19" x 13"
Fantech Whole House HEPA Filtration System			
5501.02	HEPA Filtration System	240	20" x 16" x 10.5"
Replacement Filters			
5501.022	Pre-Filter and Carbon Filter		
5501.023	HEPA Filter Set		



HRV/ERV Accessories

HRV/ERV Intake and Exhaust Vent

HRV/ERV Intake Exhaust Vent has the following features and benefits:

- | | |
|---------------------------------|---|
| • Only one penetration | Simplifies Installation |
| • Almost no cross-contamination | Dependable Air flow in and out |
| • Unique tandem transition | fits both 5" and 6" insulated flex duct |



Recommended Accessories



Traditional Ceiling Grille — 4" or 6"



Designer Ceiling Grille — 4"



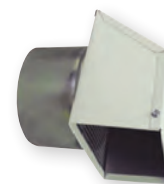
Galvanized Mounting Collar
for Designer Grilles



Elbow — Plastic — 4"



Elbow — Galvanized — 4" or 6"



Outdoor Wall Mounted —
White Metal Hood for
Intake and Exhaust — 6"

Ordering Information

Dual Hood Installation Kit

5506.211	Tandem Exhaust Hood — 6"
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Recommended Accessories

Traditional Style Grilles

5540.01	4" Adjustable Supply/Exhaust Grille
5540.02	6" Adjustable Supply/Exhaust Grille

Designer Style Grilles

5540.001	4" Designer Exhaust Grille
5540.003	6" Designer Exhaust Grille

Galvanized Mounting Collars for Designer Grilles

5540.04	4" Mounting Collar
5540.06	6" Mounting Collar

Elbows

4530.37	90° Plastic Elbow — Fits in a 2"x 4" Wall
4530.38	4" Galvanized Elbow
4530.39	6" Galvanized Elbow

Wall Mounted Hood — Pair

5501.445	6" White Metal Hood with Screen, 8" Tail
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Panasonic Whisper Fans



All Panasonic fans have the following features and benefits:

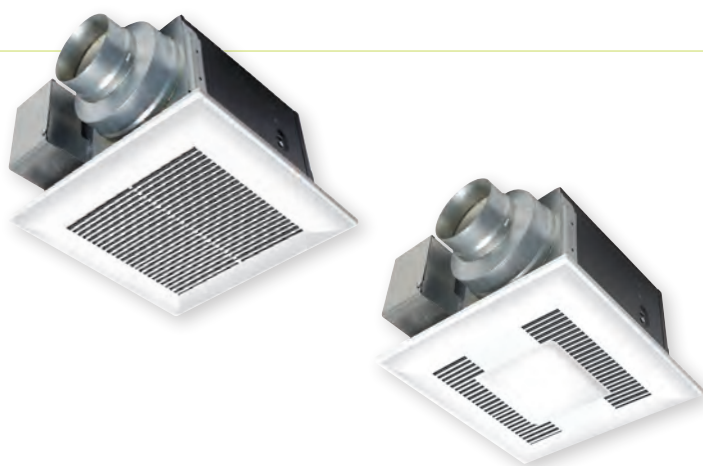
- ENERGY STAR® listed (except heater fan)
- HVI certified
- Rated for continuous use
- Low-sone — super quiet operation
- Low power use
- Built-in back draft damper
- UL listed for tub/shower enclosure when used with GFCI branch circuit wire
- 3 Year warranty
- 6 Year warranty on DC motors (Whisper Green Models)

Whisper Ceiling Series

Use this series for general exhaust in bathrooms or other rooms. These are the classic Panasonic exhaust fans.

Available CFM Rates:

- Fan only units — 50, 80, 110, 150, 190, 290 and 380 CFM
- Fan / Light / Nightlight units — 80, 110 and 150 CFM
— Light units use 2 x 13w electronic compact fluorescents and includes a 4w night light



Ordering Information

		CFM		Sones		Power		Duct
		.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	
Whisper Ceiling Fans — Fan Only								
5505.611	FV 05VQ5	50	36	<0.3	0.5	11	11.5	Dual 4" or 6" Round
5505.621	FV 08VQ5	80	62	<0.3	0.4	14.7	14.5	Dual 4" or 6" Round
5505.631	FV 11VQ5	110	91	<0.3	0.5	21.1	20.7	Dual 4" or 6" Round
5505.641	FV 15VQ5	150	127	<0.3	0.5	28.4	27.3	6" Round
5505.05	FV 20VQ3	190	144	0.8	1.4	42	42	6" Round
5505.055	FV 30VQ3	290	257	2	N/A	64	62	6" Round
5505.066	FV 40VQ4	380	348	3	N/A	112	111	6" Round
Whisper Ceiling Fans — Fan / Light / Nightlight								
5505.082	FV 08VQL6	80	62	<0.3	0.4	14.9	14.7	Dual 4" or 6" Round
5505.6811	FV 11VQL6	110	90	0.5	0.6	23.4	23	Dual 4" or 6" Round
5505.6911	FV 15VQL6	150	128	0.9	1	31.8	30.9	6" Round



Panasonic Whisper Fans

Whisper Green Select Series

Panasonic's WhisperGreen Select is a customizable, all-in-one fan and fan/LED light combination for your IAQ solution. The new Pick-A-Flow technology gives you the ability to select your required air flow with just the flip of a switch.

- Pick-A-Flow speed selector – one fan, you choose the CFM
- Plug 'N Play modules provide up to three value added features
- SmartFlow™ technology overcomes duct resistance and maintains CFM rate
- LED light engine provides long life – 40,000 hours, no maintenance
- Flex-Z Fast™ bracket provides flexible, fast and easy installation



Whisper Green Select Plug N' Play Modules



INFORMATION: For wiring help visit <http://ow.ly/D1KUc> or search "WhisperGreen Select" on youtube.com

Ordering Information

		Continuous Run CFM	CFM		Sones		Power		Duct
			.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	
WhisperGreen Select with Built in Multi-Speed (Runs continuously at low speed)									
Fan Only									
5505.401	FV-05-11VKS1	30 – 110	50 – 80 – 110	53-82-113	<0.3	0.4	2.5 – 9.8	5.0 – 16.1	4"
Fan Light									
5505.404	FV-05-11VKSL1	30 – 110	50 – 80 – 110	53-86-114	<0.3 – 0.4	0.4	2.5 – 11.1	5.0 – 18	4"
WhisperGreen Select Pick-A-Flow									
Fan Only									
5505.402	FV-05-11VK1		50 – 80 – 110	53-82-113	<0.3	0.4	3.5 – 9.8	7 – 16.1	4"
5505.403	FV-11-15VK1		110 – 130 – 150	111-131-143	<0.3	0.5	7.0 – 13	13.5 – 22	6"
Fan Light									
5505.405	FV-05-11VKL1		50 – 80 – 110	53-86-114	<0.3 – 0.4	0.6	4.0 – 11.1	7 – 18	4"
5505.406	FV-11-15VKL1		110 – 130 – 150	111-131-143	<0.3 – 0.4	0.8	8.5 – 16.5	16 – 24	6"
Plug N' Play Modules									
5505.407	FV-VS15VK1	Multi-Speed (Already built into Models .401 and .404)							
5505.408	FV-MSVK1	Motion Sensor							
5505.409	FV-CSVK1	Condensation Sensor							
5505.501	FV-NLVK1	NiteGlo™ 1w LED Night Light							

Panasonic Whisper Fans



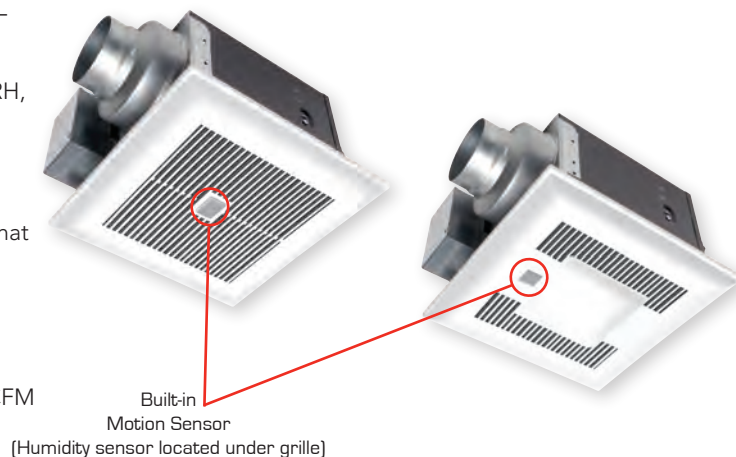
Whisper Sense Series — Built in Motion + Humidity Sensors

Use this series for situations where dual sensing is desired — both motion and humidity. Meets CalGreen standards.

- Built in motion sensor and humidity sensor. Factory set at 50% RH, adjustable from 30–80% RH.
- Delay off timer up to 60 minutes after motion ceases or humidity level is achieved
- In delay off mode, humidity sensor takes precedence assuring that moisture will be taken care of
- No switches needed — motion and humidity sensors built in

Available CFM Rates:

- Fan only units and Fan / Light / Nightlight units — 80 and 110 CFM — Light units use 2 x 13w electronic compact fluorescents and includes a 4w night light



Whisper Warm Series

Use this series for clients that desire a heater fan in their bathroom

- 1,400 watt heater element
- Recirculates and heats air while exhausting

Available CFM Rates:

- Fan only units and Fan / Light / Nightlight units — 110 CFM

Switch Suggestion:

- Wire heater unit on a separate 20 amp GCFI circuit



Ordering Information

		CFM		Sones		Power		Duct
		.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	
Whisper Sense Fans — Fan Only — Built in Motion + Humidity Sensors								
5505.674	FV 08VQC5	80	59	<0.3	<0.3	15.8	15.6	Dual 4" or 6" Round
5505.675	FV 11VQC5	110	91	0.3	0.5	24.3	24.2	Dual 4" or 6" Round
Whisper Sense Fans — Fan / Light / Nightlight								
5505.6761	FV 08VQCL6	80	62	<0.3	0.4	17.5	17.6	Dual 4" or 6" Round
5505.6771	FV 11VQCL6	110	89	0.7	0.7	26	25.7	Dual 4" or 6" Round
Whisper Warm Fan — Fan Only								
5505.111	FV 11VH2	110	89	0.6	1.1	30.7	30.5	4" Round
Whisper Warm Fan — Fan / Light / Nightlight								
5505.112	FV 11VHL2	110	89	0.7	1.0	30.6	30.5	4" Round



Panasonic Whisper Fans

Whisper Fit Series

Use this series for remodeling when installing a fan between floors or when you need a shorter housing.

- 5 5/8" deep housing
- Fits in 2 x 6 framing
- Can be used with existing 3" duct or with 4" duct. Adaptor is included. We recommend updating the duct whenever possible.
- 32w CFL — 100w equivalent



TIP: Use these fans when remodeling and installing a fan between floors. These housings fit in 2 x 6 framing and come with a 4" to 3" adaptor in case you need to use the old ductwork. Replace or update the ductwork if you can.

Available CFM Rates:

- Fan only units and Fan / Light / Nightlight units — 50, 80 and 110 CFM — Light units use 2 x 13w electronic compact fluorescents and includes a 4w night light

Whisper Value Series

Use this series in production situations where price may be a challenge

- 3 3/4" deep housing
- Fits in 2 x 4 framing
- Can be mounted vertically on side wall



Available CFM Rates:

- Fan only Units and Fan / Light / Nightlight units — 80 and 100 CFM — Light units use 2 x 13w electronic compact fluorescents and includes a 4w night light

Ordering Information

		CFM		Sones		Power		Duct
		.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	
Whisper Fit Fans — Fan Only								
5505.82	FV 08VF2	80	60	0.8	1.0	24.5	24.3	4" Round (Includes 4" to 3" Reducer)
5505.83	FV 11VF2	110	94	1.5	1.5	33.6	33.2	4" Round (Includes 4" to 3" Reducer)
Whisper Fit Fans — Fan / Light / Nightlight								
5505.8511	FV 05VFL3	50	35	<0.3	0.4	15.9	15.8	4" Round (Includes 4" to 3" Reducer)
5505.8611	FV 08VFL3	80	67	0.5	0.8	28.8	28.6	4" Round (Includes 4" to 3" Reducer)
5505.872	FV 11VFL3	110	96	1.3	1.5	33.6	32.6	4" Round (Includes 4" to 3" Reducer)
Whisper Value Fans — Fan Only								
5505.1611	FV 05VS3	50	37	0.4	1.0	15.8	15.3	4" Oval
5505.1621	FV 08VS3	80	65	1.3	1.5	23.3	23.6	4" Oval
5505.1641	FV 10VS3	100	90	1.5	1.5	36.4	36.1	4" Oval
Whisper Value Fans — Fan / Light / Nightlight								
5505.1631	FV 08VSL3	80	67	1.3	N/A	24.4	24.9	4" Oval
5505.1651	FV 10VSL3	100	67	1.5	N/A	36.6	36.3	4" Oval

Panasonic Whisper Fans



Whisper Wall Fan

Use this series for bathrooms with cathedral ceilings

- 8" round through wall duct
- Includes white exterior metal hood with flapper
- Can be adjusted for up to 10" wall thickness

Available CFM Rates:

- One model only — 70 CFM



Whisper Recessed Fan

Use this fan in rooms where recessed cans are being used and there is a need for ventilation.

- Built-in back draft damper
- Adjustable trim ring and light socket to accommodate finish surface
- 7 1/2" deep housing
- Dual 4" or 6" duct adapter
- UL listed for tub/shower enclosure when used with a GFCI branch circuit
- IC rated
- LED and CFL versions are available
- LED version includes one 14w ENERGY STAR LED bulb, 575 lumens, 3,000° K, 25,000 hour rated life
- CFL version includes one 18w ENERGY STAR CFL bulb, 1380 lumens, 2,700° K, 10,000 hour rated life

Available CFM Rates:

- One model only — 80 CFM



14w GU24
FV-08VRE1
LED



18w GU24
FV-08VRL1
CFL

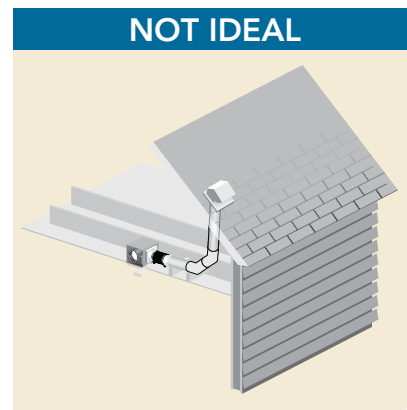
Ordering Information

		CFM — .03" w.g.		Sones — .03" w.g.		Power — .03" w.g.		Duct	
Whisper Wall Fan									
5505.25	FV 08WQ1	70		1.1		18		8" Diameter	
		CFM .1" w.g. .25" w.g.		Sones .1" w.g. .25" w.g.		Power .1" w.g. .25" w.g.		Duct	
Whisper Recessed									
CFL Light Source									
5505.169	FV-08VRL1	80	66	0.8	0.7	20.5	19.5	Dual 4" or 6" Round	
LED Light Source									
5505.1691	FV-08VRE1	80	66	0.8	0.7	20.5	19.5	Dual 4" or 6" Round	

Ceiling Fan Installation Tips

Ceiling Surface Mounted Fans

- Use for single point or spot ventilation
- Use timers or speed controls for continuous or intermittent whole house ventilation
- Only use rigid duct
- Avoid bends and elbows
- Keep it short
- Tilt duct to the outside for condensation control
- Seal all seams



Exhaust through a wall to avoid bends

Ductwork Tips and Techniques

- Use rigid duct whenever possible for better air flow
- Avoid using flex duct, but if you do, support it with strapping to avoid dips
- Use a short piece of flex duct at the fan or HRV connection to break vibration noise in the duct
- Insulate any ducts in un-conditioned spaces to avoid condensation and energy loss
- Think in straight lines — avoid as many elbows as possible
- Two 45° elbows allow better airflow than one 90°
- Expanding the duct from 4" to 6" promotes better air flow and reduces noise
- Seal all joints, seams and connections with mastic. See page 64 for our mastic products. Use duct tape for anything except ducts.
- Run ducts in inside walls if possible. Make duct runs continuous. Wall cavities are NOT ducts.
- Run duct all the way to the outside of the building. Attics, basements and crawl spaces are NOT outside the building.
- Shorter runs perform better — locate ventilation equipment to achieve short duct runs and good performance

SIMPLE FAN SIZING TIP FOR A SINGLE ROOM:

- With +/-8' ceilings and less than 15 equivalent feet of duct, multiply the square footage of the room by 1.10 and install the next size available.

Example:

80 square foot bathroom x 1.10 = 88 square feet, so look for a 90 or 100 CFM fan. If the ceiling is higher or vaulted, or the ductwork is longer, increase your selection by one size.

Delta Breez Bath Fans



All Delta Breez fans have the following features and benefits:

- ENERGY STAR® listed
- DC motor — long life and efficient
- All light units use a 4w nightlight
- CFL models include a 26W bulb; 1650 lumens
- LED models include a 13w bulb; 800 lumens
- HVI certified
- Rated for continuous use
- Low-sone — super quiet operation
- Low power use
- cUL listed for tub/shower enclosure when used with GFCI branch circuit wire
- 3 year warranty

Delta Breez Signature Series

Use this series for general exhaust in bathrooms or other rooms. Sleek design, quiet exhaust.

Available CFM Rates:

- Fan only units — 80 and 110 CFM
- Fan / CFL Light / Nightlight units — 80 and 110 CFM
- Fan / LED Light — 110 CFM



Delta Breez Green Builder Series

Use this series for both retrofit and new construction. Smaller housing and grille for easier installation. Lowest sone rating available.

Available CFM Rates:

- Fan only units — 50, 80, and 100 CFM
- Fan / Light unit — 50, 80, and 100 CFM
- Fan with LED light — 80 CFM



Delta Breez Slim Series

Use this Slim Series for installing between existing floors — the housing is 4" deep, with a 3" duct for easy retrofit. Also suitable for multifamily and production homes.

Available CFM Rates:

- Fan only units — 50 and 70 CFM





Delta Breez Bath Fans

Ordering Information

		CFM		Sones		Power		Duct
		.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	.1" w.g.	.25" w.g.	
Delta Breez Signature Series Fan Only								
5508.11	SIG80	80	65	<0.3	0.5	8.2	10.8	4" Round
5508.321	SIG110	110	96	<0.3	1.2	12.7	15.6	4" Round
Delta Breez Signature — Fan / Light / Nightlight								
5508.311	SIG80L	80	49	0.6	1	9.6	10	4" Round
5508.322	SIG110L	110	89	1.1	1.4	15.4	17.2	4" Round
Delta Breez Signature — Fan / LED								
5508.323	SIG110LED	110	94	0.5	0.8	13.1	15.3	4" Round
Delta Breez Green Builder								
5508.45	GBR50	50	36	<0.3	1	4	5.2	4" Round
5508.46	GBR80	80	66	0.8	1.1	7.9	9.3	4" Round
5508.49	GBR100	100	81	1.4	1.3	12.6	11.6	4" Round
Delta Breez Green Builder — Fan Light								
5508.47	GBR50L	50	38	<0.3	0.7	4.3	5.8	4" Round
5508.48	GBR80L	80	66	0.8	1	8.7	9.7	4" Round
5508.491	GBR100L	100	76	1.4	1.3	13.9	11.9	4" Round
Delta Breez Green Builder —Fan / LED								
5508.441	GBR80LED	80	63	0.8	1.1	11.6	11.1	4" Round
Delta BreezSlim								
5508.41	SLM50	50	36	1	1.2	6.4	6.3	3" Round
5508.42	SLM70	70	54	2	1.5	13.1	11.5	3" Round

SIMPLE FAN SIZING TIP FOR A SINGLE ROOM:

- With +/-8' ceilings and less than 15 equivalent feet of duct, multiply the square footage of the room by 1.10 and install the next size available.

Example:

80 square foot bathroom x 1.10 = 88 square feet, so look for a 90 or 100 CFM fan. If the ceiling is higher or vaulted, or the ductwork is longer, increase your selection by one size.

Broan Quiet Exhaust Fans

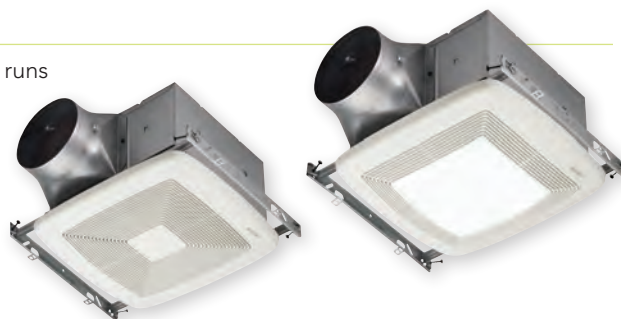


All Broans fans have the following features and benefits:

- ENERGY STAR® listed
- HVI certified
- Rated for continuous use
- Low-sone — Super quiet operation
- Low power use
- Ultra Quick Mounting bracket
- UL listed for tub/shower enclosure when used with GFCI branch circuit wire

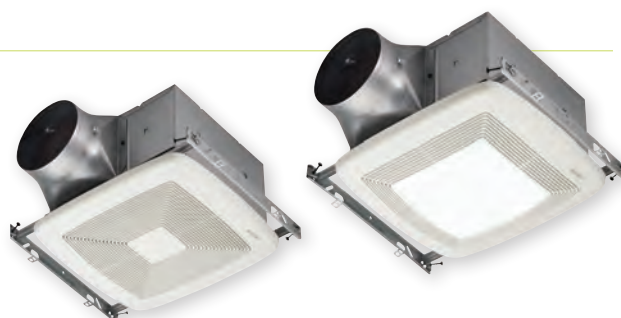
Broan ULTRA Z Series

- DC motor — highly efficient
- Meet continuous ventilation requirements
- Continuous low speed run w/full speed boost
- Set the low speed and set the delay off for high speed
- Maintains CFM rate over duct runs
- Includes a 6" to 4" reducer
- Light provided by 2 — 18w GU24 CFLs, 3,500 K
- 4w Nightlight



Broan ULTRA X Series

- DC motor — highly efficient
- Single speed — rated for continuous use
- Maintains CFM rate over duct runs
- Includes a 6" to 4" reducer (80 CFM fan only)
- Light provided by 2 — 18w GU24 CFLs, 3,500 K
- 4w Nightlight



Ordering Information

		CFM .1" w.g.	Sones	Power	Duct
Broan Ultra Z Series Dual Speed					
Dual Speed — Fan Only					
5507.312	Z Series	80	<0.3	5.8	6
5507.313	Z Series	110	<0.3	7.7	6
Dual Speed — Fan / Light					
5507.314	Z Series	80	<0.3	6	6
5507.315	Z Series	110	<0.3	8.7	6
Dual Speed — Fan / Humidity Sensing					
5507.333	Z Series	110	<0.3	7.7	6
Dual Speed — Fan / Humidity Sensing / Light					
5507.334	Z Series	110	<0.3	8.7	6
Broan Ultra X Series Single Speed					
Single Speed — Fan Only					
5507.317	X Series	80	<0.3	5.8	6
5507.318	X Series	110	<0.3	7.7	6
Single Speed — Fan / Light					
5507.321	X Series	80	<0.3	6	6
5507.322	X Series	110	<0.3	8.7	6

Fantech and Tamarack

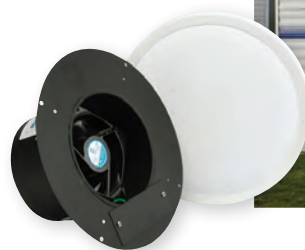
Dryer Boost Kit

- Use with dryers that have duct runs between 30' – 130' equivalent length
- Mount at least 15' from the dryer
- Senses pressure and runs in 10 minute cycles when the drier is on
- DBF-4XL — Galvanized housing, pressure switch attached, 3 prong plug attached, insert pressure tube in the duct
- DBF-110 — Thermoplastic housing, pressure switch attached with tube installed in the fan collar, bring power to the fan junction box — no plug
- 4" duct, 150 CFM, 83w



Manufactured Housing Drop in Bath Fan Replacement — 7"

- Designed specifically for manufactured homes
- Direct replacement for 7" roof mounted exhaust fan
- Easy installation from the interior
- Quiet and weather sealed
- Includes a new interior grille – uses existing roof cap
- Quiet — 3.0 sones
- Rated for continuous operation
- Durable back draft damper keeps cold air from coming in when not in use
- Optional switch available for timed ventilation
- 5 year product warranty



Ordering Information

Dryer Boost Kit		
5501.391	DBF-4XL	Fantech Galvanized Dryer Boost with Pressure Switch — 150 CFM
5501.39	DBF-110	Fantech Plastic Dryer Boost with Pressure Switch — 150 CFM
5501.71	DB-10	Pressure Switch Only

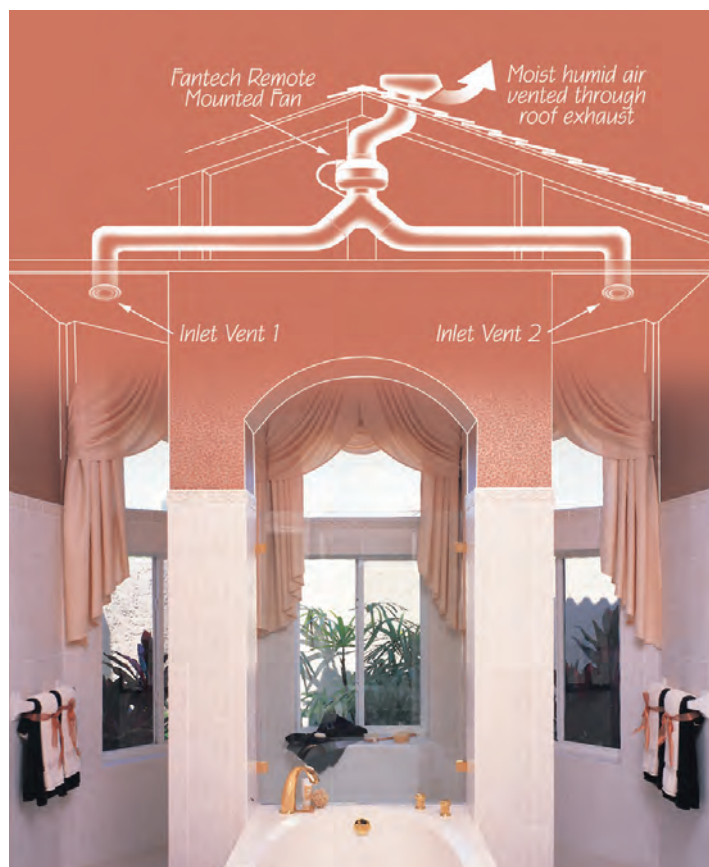
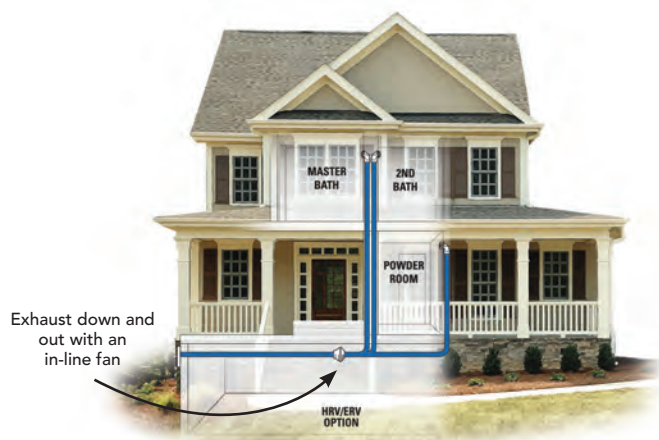
	CFM	Power	Duct
Tamarack Mainstream Manufactured Housing Bath Fan Replacement			
5502.10	65	16.5w	7"

Remote Fan Usage Ideas



In-line, Roof Mounted, Outdoor Wall Mounted Tips

- Can be used to ventilate single point or multiple points
- Can be used for range hoods — taking much of the noise out of the kitchen
- Can be used to boost dryers with long runs
- Can be used to circulate heat or AC for overall balance
- Can be used for sub-slab or crawl space ventilation
- Use timers or speed controls for continuous or intermittent whole house ventilation



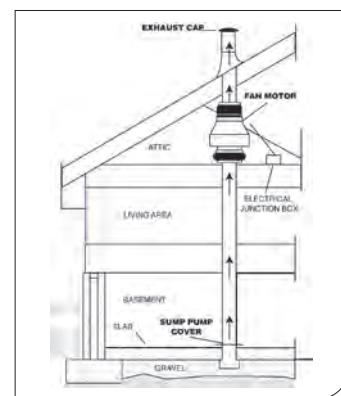
Single or Two-point Exhaust



Dryer Boost



Range Hood Exhaust



Sub Slab or Crawl Space Ventilation



Fantech Range Hood Liners

INFORMATION: When installing the Fantech Custom Range Hood Liner, the typical application will include the liner, a duct silencer and a remote mounted fan.

Range Hood Liners For Use With Custom Range Hoods

By using a remote exhaust fan with a hood liner, most of the exhaust noise is removed from the kitchen.

- Pre-wired for use with remote in-line or exterior fans
- Dimmable halogen lights included
- Variable speed control included
- Removable and washable aluminum filters

Stainless Steel and Galvanized Range Hood Liners

- Stainless steel face with galvanized steel housing
- Available in 30" and 36" widths

INFORMATION: 42" and 48" liners are available as special order.



Recommended Fans and Duct Silencers



RE — Roof Mounted
See Page 39



RVF — Wall Mounted
See Page 39



FG — In-line
See Page 38



Duct Silencer
See Page 46



Backdraft Damper
See Page 44

Ordering Information

		W x H x D	Duct	# Filters	Replacement Filters
Range Hood Liners for Use with Custom Range Hoods — Stainless Steel and Galvanized					
5501.752	30" SGHL	28.5" x 4" x 18"	6"	2	5501.755
5501.753	36" SGHL	34.5" x 4" x 18"	8"	2	5501.756

Fantech Ventilation Fans



TIP: Remote mounted fans can exhaust bathrooms, laundry rooms, basements and crawl spaces. One remote mounted fan can exhaust from multiple points in large rooms or from separate rooms. They can be used for dryer boosting, kitchen range hoods or for re-circulating heat or AC within a building.

FR and FG In-Line Fans

- Can be installed vertically or horizontally
- FR series has an airtight thermoplastic housing
- FG series has an airtight galvanize steel housing
- UL Listed for outdoor use and wet locations
- Backdraft damper sold separately

Available CFM Rates:

- From 100 to 680
- Duct sizes from 4" to 12"



FG Series



FR Series



Ordering Information

		CFM	Power	Duct
FR Series In-line Fan				
5501.10	FR 100	110	21.5	4"
5501.101	FR 110	150	80	4"
5501.11	FR 125	120	18	5"
5501.110	FR 140	190	61	6"
5501.12	FR 150	230	71	6"
5501.13	FR 160	260	129	6"
5501.15	FR 200	360	122	8"
5501.16	FR 225	400	137	8"
5501.17	FR 250	600	241	10"
FG Series In-line Fan				
5501.301	FG 4	110	20	4"
5501.302	FG 4XL	150	71	4"
5501.303	FG 5	130	20	5"
5501.304	FG 5XL	190	73	5"
5501.305	FG 6	270	72	6"
5501.306	FG 6XL	450	153	6"
5501.307	FG 8	410	119	8"
5501.308	FG 8XL	470	142	8"
5501.309	FG 10	480	138	10"
5501.312	FG 12	680	181	12"

Fantech Ventilation Fans

RE and REC Series Roof-Mounted Exhaust Fans

- Available to fit both pitched roofs and flat roofs
- Permanently lubricated sealed ball bearings
- 100% speed controllable
- RE fans have a flat base
- REC fans have a 1/2" depth box designed to be installed on a roof curb
- REC fans are available as a special order only
- Backdraft damper sold separately



RVF Series Exterior Wall-Mounted Exhaust Fans

- Rugged construction for exterior use
- External rotor motor with built in thermal protection
- 100% speed controllable
- Can be painted to match exterior
- Backdraft damper sold separately



Ordering Information

		CFM	Power	Duct
RE Series Roof-mounted Exhaust Fans				
5501.47	RE 6	199	87	6"
5501.49	RE 8XL	356	148	8"
5501.50	RE 10XL	721	394	10"
RVF Series Exterior Wall-mounted Exhaust Fans				
5501.60	RVF 4	98	19	4"
5501.61	RVF 4XL	172	92	4"
5501.62	RVF 6	204	92	6"
5501.63	RVF 6XL	346	149	6"
5501.64	RVF 8XL	392	151	8"

Fantech Premium Bath Fans



All Fantech fans have the following features and benefits:

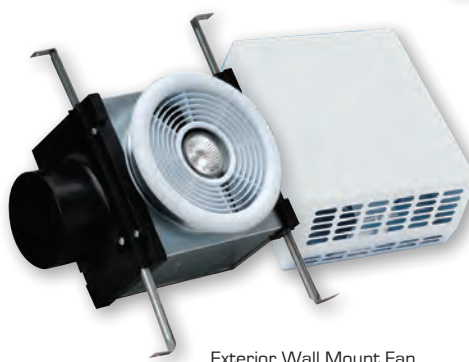
- HVI certified
- Speed controllable
- Rated for continuous use
- Low-sone — super quiet operation
- Low power use
- UL “Wet Location” Rating
- IC “Insulation Contact” Rating
- 7 year warranty

Single Point Exhaust Fans

- Two versions — interior in-line or exterior wall mount
- Perfect for small baths and powder rooms
- Attractive low profile grille — light versions available
- Direct vent to the outside to save space in condos and apartments
- All fans Include fan motor with ceiling grille, housing, and back draft damper



In-line Exhaust Fan



Exterior Wall Mount Fan

Ordering Information

		CFM	Fan Duct	Housing Duct	Grille
Single Point Exhaust Fans — In-line Exhaust Fans					
5501.914	PB-110-V	110	4"	4"	Vent Only
5501.915	PB-110-F	110	4"	4"	14w Fluorescent
5501.916	PB-110-H	110	4"	4"	50w Dimmable Halogen
5501.922	PB-190-V	190	6"	6"	Vent Only
Single Point Exhaust Fans — Exterior Wall Mount Fans					
5501.917	PBW-110-V	110	4"	4"	Vent Only
5501.918	PBW-110-F	110	4"	4"	14w Fluorescent
5501.919	PBW-110-H	110	4"	4"	50w Dimmable Halogen

Fantech Premium Bath Fans

2 Point Exhaust Fans — Includes “Y” Pipe

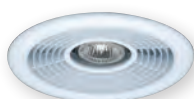
- Kits include 2 low profile grilles — light versions available
- Use for larger bathrooms
- Locate vents directly over moisture source
- Includes fan motor, 2 ceiling grilles, housings, back draft dampers, and “Y” Pipe



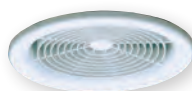
Ceiling Grille Units With Housing and Back Draft Damper

Use this if you need more than two ventilation points in a large bath.

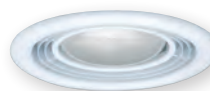
- Includes housing with lamps, hanger bars and back draft damper
- Three styles available



50w Dimmable
Halogen Light



Vent Only — No Light



14w Fluorescent Light



Ordering Information

		CFM	Fan Duct	Housing Duct	Grille
2 Point Exhaust Fans — In-line Exhaust Fans					
5501.931	PB-150-V2	150	4"	4"	Two Vent Only
5501.932	PB-150-F2	150	4"	4"	Two 14w Fluorescent
5501.933	PB-150-H2	150	4"	4"	Two 50 Dimmable Halogen
5501.936	PB-270-V2	270	6"	4"	Two Vent Only
5501.938	PB-270-F2	270	6"	4"	Two 14w Fluorescent
5501.939	PB-270-H2	270	6"	4"	Two 50w Dimmable Halogen
5501.935	PB-370-V2	370	6"	6"	Two Vent Only
5501.941	PB-270-F-V	270	6"	4"	One 14w Fluorescent One Vent Only
		Description			Grille
Ceiling Grille Units with Housing and Back Draft Damper					
5501.911	PB-V4	6" Ceiling Grille with 4" Discharge			Vent Only
5501.912	PB-F4	6" Ceiling Grille with 4" Discharge			14w Fluorescent
5501.913	PB-H4	6" Ceiling Grille with 4" Discharge			50w Dimmable Halogen
5501.921	PB-V6	6" Ceiling Grille with 6" Discharge			Vent Only

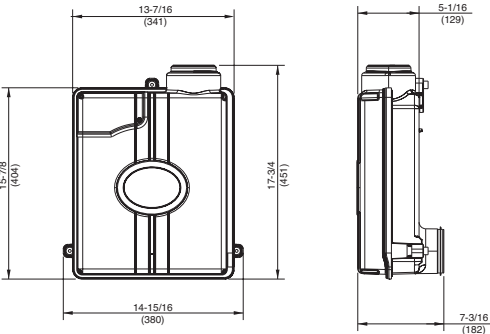
Radon Control Fans



INFORMATION: EFI makes no claim that using these products will solve a radon problem and as a result, EFI is not liable for any damages or claims which may arise from the use of these products. It is incumbent on the installer to follow all applicable federal, state and local codes associated with radon control. We recommend testing for radon both before and after installing radon control products and consulting with the EPA and local health departments for guidance.

Fantech Low Profile Radon Fan

- Exterior mount — easy pipe connections
- Low Profile wall mount design
- Constructed from durable, UV resistant polycarbonate
- Factory sealed, no leak design
- Integral condensate bypass
- Direct wall-mount with integral vibration isolation
- High efficiency, continuous duty EBM-Papst motor
- Use 4" schedule 20 or 40 PVC
- Built-in thermal overload protection
- Unit is UL Listed for wet locations
- 5 year warranty



Fantech In-line Radon Fans

HP Series fans are designed for high pressure capability required for radon mitigation.

Fan Housing:

- UV resistant, UL listed for commercial applications
- Factory sealed to prevent leakage
- Watertight electrical box
- Approved for wet location mounting

Fan Motor:

- High efficiency EBM motorized impeller
- Automatic re-set thermal overload protection
- Average life expectancy of 7– 10 years continuous
- Five year full factory warranty



Ordering Information

		CFM*	Watts	Duct
Fantech Low Profile Radon Fan				
5501.83	HP190SL	70 – 140	94	4"
Fantech In-line Radon Fan				
5501.81	HP 2190	15 – 80	60 – 85	4"
5501.82	HP 220	100 – 190	85 – 190	6"

*CFM measured approx. 1" to 1.75" of Static Pressure



Radon Control Accessories

Radon Control Products

Couplings for attaching to PVC

- For HP2190 Radon Fan

Radon Test Kit

- Complete kit with instructions
- Accurately test a home or workplace
- Run test for 2–3 days, then use the enclosed self addressed envelope to send the sample to a lab. Results sent back by the lab.

PVC Stack Pipe Tops

- Fast and economical low air restriction through the 1/2" stainless steel mesh

Sump cover

- 21" Round cover

Mini U-Tube

- Used to measure differential pressures
- Easy installation, accurate readout
- Comes with 0.75 oz. red gauge oil, pair of carrying plugs, pair of tube connectors and instructions

Air Sealing Foam

- Use to seal cracks and holes
- One time use 12 oz. can



Radon Test Kit



Coupling



Exhaust Cap



Varmint Guard



Sump Cover



Mini U-Tube



12 oz. Foam

Ordering Information

Radon Control Products	
5020.3	Radon Test Kit
5510.191	156-44 Coupling for HP 2190 with 4" PVC
5510.192	156-43 Coupling for HP 2190 with 3" PVC
5510.193	156-64 Coupling for HP 220 with 4" PVC
5510.194	156-63 Coupling for HP 220 with 3" PVC
Caps for use with Schedule 20 PVC	
5510.201	Varmint Guard — 3" Schd 20 PVC
5510.202	Varmint Guard — 4" Schd 20 PVC
5510.203	Exhaust Cap — 4" Schd 20 PVC

Radon Control Products	
Caps for use with Schedule 40 PVC	
5510.206	Varmint Guard — 3" Schd 40 PVC
5510.207	Varmint Guard — 4" Schd 40 PVC
5510.205	Exhaust Cap — 4" Schd 40 PVC
3040.9	Sump Pump Cover
5510.302	Dwyer Manometer U-Tube
3530.215	Todol 12 oz. Foam

Ventilation Accessories



Exhaust/Supply Grilles and Collars

Traditional Style

- Adjustable, use for both exhaust and supply
- Diffuses air across ceiling or wall
- No need for metal mounting collars
- Can be use with both plaster/sheetrock and drop ceilings



Traditional — 4"



Traditional — 6"



Designer — 4" or 6"

Designer Style

- Low profile, not adjustable
- Matches Fantech grille-light unit
- Use with glavanized mounting collar

Galvanized Mounting Collars

- Nailing flange attaches to ceiling joist
- Serves as an anchor to attach duct work and pressure fit grilles



Galvanized Mounting Collar — 4" or 6"

Backdraft Dampers

Backdraft Dampers stop outside air from coming in the building when the fan is turned off.

Low Resistance Model

- Use with Panasonic fans if running 2 fans to one outlet
- Cloth sleeve damper causes very little resistance to air flow

Spring Loaded Model

- Light duty spring with gasket seal



Low Resistance Model
ASTM E-84 Rated
4" or 6"



Spring Loaded Model
4" to 12"

Ordering Information

Exhaust/Supply Grilles and Collars	
Traditional Style	
5540.01	4" Adjustable Supply/Exhaust Grille
5540.02	6" Adjustable Supply/Exhaust Grille
Designer Style	
5540.001	4" Designer Exhaust Grille
5540.003	6" Designer Exhaust Grille
Galvanized Mounting Collars	
5540.04	4" Mounting Collar
5540.06	6" Mounting Collar

Backdraft Damper	
For Fantech Fans	
5540.08	4" Backdraft Damper
5540.09	5" Backdraft Damper
5540.1	6" Backdraft Damper
5540.12	8" Backdraft Damper
5540.13	10" Backdraft Damper
5540.14	12" Backdraft Damper
For Panasonic Fans	
5540.075	4" Cape Style Backdraft Damper
5540.076	6" Cape Style Backdraft Damper

Ventilation Accessories

Flex Duct, Clamps, Straps

Insulated flex duct may be used in certain circumstances, however we suggest using rigid ducts whenever possible. Potential dangers include the possibility of dips, sags and bends in the flex duct that can diminish performance of the system.

- Use only in short runs
- Use 6–8" pieces to break vibration between fans and rigid ducts
- Insulated flex duct R-value = 4.2



Clamps



Metal Flex Duct



Zip Ties



Insulated Flex Duct

In-Line Fan and Duct Mounting Clamps

- Used to attach metal ductwork to Fantech fans
- Rubber lining to break vibration
- 4" through 12" available



Ordering Information

Insulated Flex Duct	
4530.01	4" x 25' Insulated Flex Duct
4530.03	6" x 25' Insulated Flex Duct
4530.05	8" x 25' Insulated Flex Duct
Semi-Rigid Metal Flex Duct	
4531.1	4" x 8' Semi-Rigid Metal Flex Duct
4531.14	4" x 10' Semi-Rigid Metal Flex Duct
Duct Clamps and Ties	
4530.50	36" Zip Ties, bundle of 50
4531.12	4" Clamp

In-Line Fan and Duct Mounting Clamps	
5510.40	4" Mounting Clamps (Pair)
5510.41	5" Mounting Clamps (Pair)
5510.42	6" Mounting Clamps (Pair)
5510.43	8" Mounting Clamps (Pair)
5510.44	10" Mounting Clamps (Pair)
5510.45	12" Mounting Clamps (Pair)

Ventilation Accessories



Ductwork Components

"Y" Connectors

- Used when air is drawn from two different locations in the same or different rooms

Reducers/Increasers

- Allow round ductwork to be increased or decreased

Elbows

- Plastic elbow can transition 4" oval to 4" round
- Galvanized elbow can be angled at 45° and 90°

Duct Silencers

- Used to reduce noise in rigid ducts — acts as a muffler
- Mount in any orientation



"Y" Connectors



Elbows



Reducers/Increasers



Duct Silencers

Ordering Information

Ductwork Components	
"Y" Connectors	
4530.30	4" x 4" x 4" Y Duct
4530.31	6" x 6" x 6" Y Duct
4530.33	6" x 4" x 4" Y Duct
4530.32	8" x 8" x 8" Y Duct
4530.321	8" x 6" x 6" Y Duct
Elbows	
4530.37	90° Plastic Elbow
4530.38	4" Galvanized Elbow
4530.39	6" Galvanized Elbow

Ductwork Components	
Reducers/Increasers	
4530.36	8" to 6" Metal Reducer/Incraser
4530.35	6" to 4" Metal Reducer/Incraser
4530.34	4" to 3" Metal Reducer/Incraser
4530.402	6" to 4" Plastic Reducer/Incraser
Duct Silencers	
4530.10	4" Duct Silencer 8" x 23.5"
4530.11	5" Duct Silencer 9" x 23.5"
4530.12	6" Duct Silencer 10.25" x 23.5"
4530.13	8" Duct Silencer 12.5" x 23.5"
4530.14	10" Duct Silencer 14" x 35.5"
4530.15	12" Duct Silencer 17.75" x 35.5"



Ventilation Accessories

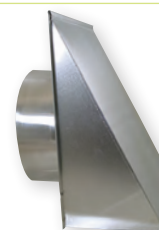
Outdoor Exhaust Hoods and Louvers



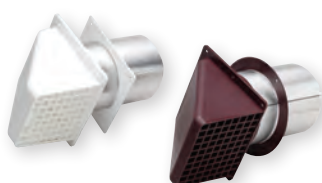
Roof Mounted — Black Roof Cap
10.5" x 11" x 4.375"



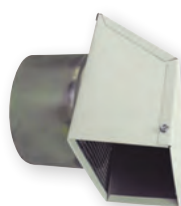
Wall Mounted — Black Model 843/885
6.5" x 6.5" x 5"



Wall Mounted — Aluminum Model 641/643/613
12.5" x 13" x 6"



Wall Mounted — White and Brown
Plastic Hood
5.8" x 5.5" x 15"



Wall Mounted — White Metal Hood
7" x 7" x 3.5"



Wall Mounted — White Plastic Louver
6" x 6" x 1.25"



Wall Mounted — Plastic Intake Grille
6" x 6" x 1.25"



Soffit Mounted
6.75" x 6.75" x 5.75"



Wall Mounted — Metal Wall Cap
Metal Range Hood Cap Model 639
12.75" x 5.625" x 4.875"



Wall Mounted — Dryer Vent Closure
6.5" x 7" x 13.312"

Ordering Information

Outdoor Exhaust Hoods and Louvers	
Roof Mounted — Painted metal	
4510.41	4" Black Roof Cap with connector collar
4510.411	4" Black Roof Cap only
4510.410	4" Connector Collar only
4510.40	6" Black Roof Cap includes collar
Wall Mounted	
4510.54	3" or 4" Aluminum Model 885-AL
4510.461	3" or 4" Black Model 885-BL
4510.52	6" Black Model 843-BL
4510.521	6" Aluminum Model 641
4510.46	8" Aluminum Model 643
4510.55	12" Aluminum Model 613
4510.02	4" White Plastic Hood with flap and with 6" Tail
4510.03	4" Brown Plastic Hood with flap and with 6" Tail
5501.447	6" White Metal Hood with Screen, 8" Tail

Outdoor Exhaust Hoods and Louvers	
Wall Mounted continued	
5510.60	4" White Plastic Louver with 12" Tail
5510.61	5" White Plastic Louver with 12" Tail
5510.62	6" White Plastic Louver with 12" Tail
5540.30	4" Plastic Intake Grille — White
5540.322	4" Plastic Intake Grille — Brown
5540.32	6" Plastic Intake Grille — White
5540.321	6" Plastic Intake Grille — Brown
Soffit Mounted	
4510.3	4" or 5" Duraflo Soffit Vent — White
4510.32	4" or 5" Duraflo Soffit Vent — Brown
Wall Mounted Metal Range Hood Cap	
4510.5	3.25" x 10" Metal Wall Cap with flap
Wall Mounted Dryer Vent	
4510.50	Dryer Vent Closure with Spring Assist

Timers and Controls

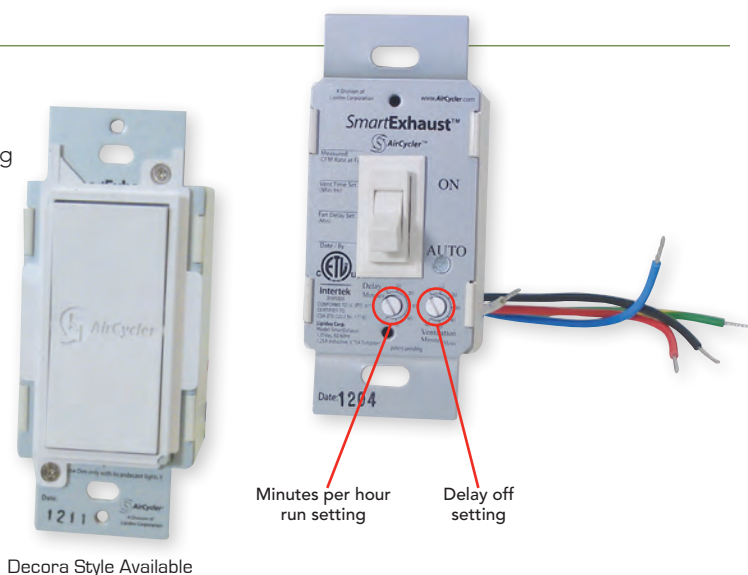


INFORMATION: All of our timers are compatible with standard residential wiring, 120 vac. Some require 120 vac power to operate the timer itself. Most require grounding. It is best to have a licensed electrician install fans and timers to insure safety and code compliance.

Some of the timers are programmable, some have a speed control option and some have an override function so as to use the fan on full speed for a period of time. Please call if we can help you with your selection.

SmartExhaust™ Delay Timer Switch

- Eliminate moisture build up
- One dial for fan delay off setting
 - Fan and light come on, switch shuts off light, fan keeps running
 - Set delay for up to 60 minutes
- Second dial for fan run time per hour – up to 60 minutes
- Perfect for public housing, guest baths, kid's bath
- Toggle available in white or almond
- Decora available in white only

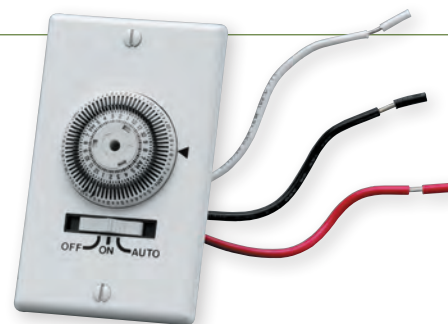


Decora Style Available

24 Hour Electro-Mechanical Timer

- 72 pins, 20 minutes each
 - Push in pins for any pattern over 24 hours
- 3 Operating modes
 - Off: switch is disengaged
 - On: Continuous run
 - Auto: timed on/off pattern

Often this timer is located out of sight and wired in parallel with an on/off wall switch.



- 3 wires
- Fits in a single gang box
- Allows the homeowner to use an exhaust fan for background ventilation
- Faceplate included

Ordering Information

Smart Exhaust™ Delay Timer Switch		24 Hour Electro-Mechanical Timer	
5010.754	Smart Exhaust Timer — White Toggle	5010.2	24 Hour Timer Single Gang
5010.7541	Smart Exhaust Timer — Almond Toggle	5010.22	24 Hour Timer 2 Gang — One Toggle
5010.756	Smart Exhaust Timer — White Decora	5010.24	24 Hour Timer 3 Gang — Two toggles



Timers and Controls

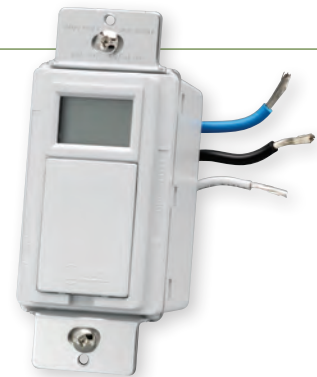
30-15-10-5 or 60-30-20-10 Electronic Timer

- Choose the appropriate amount of run time
- Five button with LED indicators
- Use 'off' to cancel operation
- 4 wires
- Fits in a single gang box, can be installed in 2 or 3 gang boxes
- 3 push pads included — white, ivory, and almond
- Decora style faceplate not included



24 Hour Electronic Programmable Timer

- 7 on/off cycles within 24 hour period
- Set each cycle for one day or 7 days
- Push pad overrides program for "as needed" operation
- Date and time displayed on LCD screen
- 3 Wires
- Fits a single gang box
- Two operating modes — manual and auto
- Decora style faceplate not included



60 Minute Mechanical Timer

- Mechanical spring wound timer
- Up to 60 minutes of operation
- Requires 2 wires
- Fits into a single gang box, can be installed in 2 or 3 gang boxes
- Comes with white and ivory plates for both Toggle and Decora style



Ordering Information

30-15-10-5 OR 60-30-20-10 Electronic Timer

5010.723	30-15-10-5 Minute Timer — White / Ivory / Almond
5010.724	60-30-20-10 Minute Timer — White / Ivory / Almond

24 Hour Electronic Programmable Timer

5010.81	Seven Day Electronic Timer — White
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60 Minute Mechanical Timer

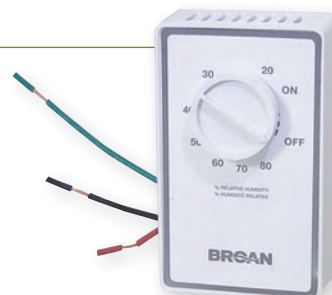
5010.045	60 Minute Timer — White / Ivory
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Timers and Controls



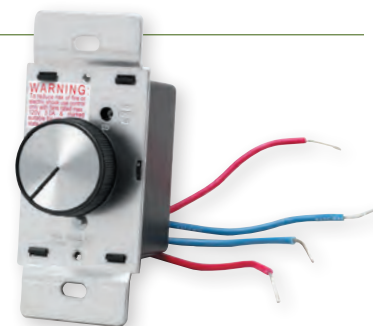
Line Voltage Dehumidistat

- Ensures the fan will turn on if the occupant did not turn on the switch
- Responds to rapid rise – not ambient
- Locate high on the wall – out of reach
- Dial adjustable to the desired RH
- 2 wires
- Range = 20%–80% R.H.
- Surface mounted control, requires its own box
- Available in white only



Variable Speed Control

- Line voltage control — run a fan at low speed continuous
- Use with an on/off switch to provide boost capability
- 4 wires
- Can be used with an over-ride switch
- Fits in a single gang box
- Faceplate included



Aircycler System

- Use to circulate air throughout the house, averaging out temperatures
- Operates only when the heating or AC fan has not come on for a long period
- Use Air control damper and Intake grille to introduce fresh air



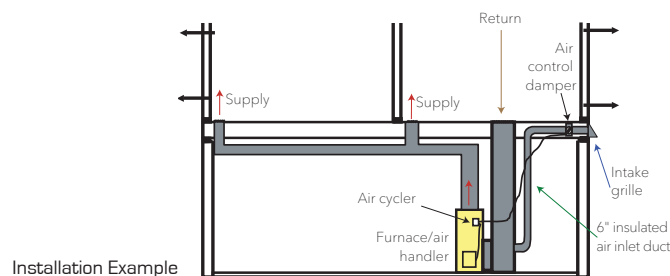
Recommended Parts to Introduce Fresh Air:



6" Air Control Damper NC
Low voltage (normally closed)



6" Intake Grille



Ordering Information

Line Voltage Dehumidistat	
5010.63	Line Voltage Dehumidistat
Variable Speed Control	
5510.32	Dial Speed Control — Brushed Steel

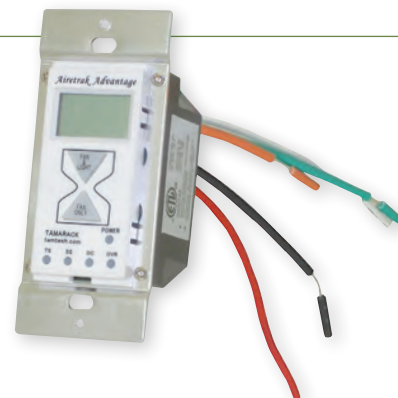
Aircycler FR-V	
5010.751	AirCycler Timer Model FR-V
Parts used with FR-V Model	
5540.3	6" Air Control Damper NC
5540.32	6" Intake Grille — White
5540.321	6" Intake Grille — Brown



Timers and Controls

Airetrak Advantage™

- Low/High speed control
- Choose the following:
 - Low speed setting
 - Minutes per hour (5, 10, 15...)
 - to repeat for 12 hours or 24 hours
- Operate the fan at low speed, boost when using the bath
- Full Speed boost — set for 20 minutes, 40 minutes or continuous
- Two buttons — fan only or fan/light
- 4 wires plus ground
- Fits in a single gang box, can be installed in 2 or 3 gang boxes
- 24 hour clock display
- Programming is held during power outages
- Decora style faceplate not included



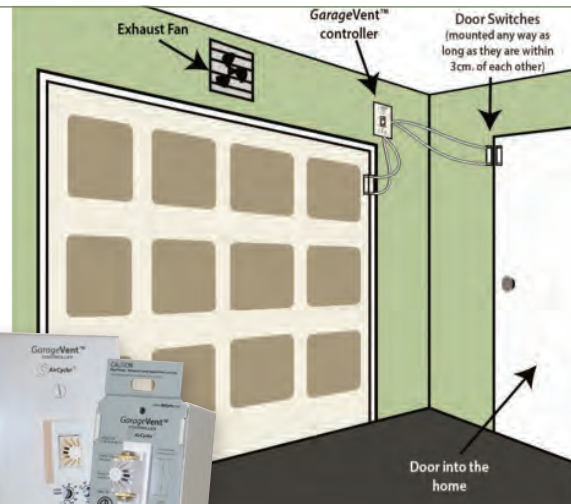
GarageVent™ Fan Controller

The GarageVent™ controller will turn on an exhaust fan when it detects a door has opened. After the door closes the GarageVent™ controller will continue to run the fan for the set delay time.

- Turns on a ventilation fan when a door is opened and/or set temperature is reached
- Delay off time can be from 0 to two hours
- Unlimited number of doors can be hooked up
- Can control any fan or motor up to 400 watts
- Mounts in a standard single gang wall box
- Uses a standard toggle switch cover plate

Kit includes:

- GarageVent™ Controller
- Cover plate
- 2 Pair of door switches with double sided mounting tape
- 2 Switch covers
- 50' of hook up wire
- Wire nuts and screws
- Instruction sheet



Installation Example



Ordering Information

Airetrak Advantage		GarageVent™ Fan Controller	
5010.431	Airetrak Advantage™ Timer — White	5010.755	GarageVent™ Fan Controller

Pressure Balancing



Airflow for an undercut door:

- 30" Door with .5" gap — 25 CFM
- 30" Door with 1" gap — 50 CFM

EXAMPLE: If 177 CFM is being delivered to a room, using a 1" gap under the door and a 12 x 12 Return Air Pathway can relieve the pressure. (50 + 127 = 177 CFM).

Pressure Balancing Return Air Pathways

- Installed in the interior wall, over or beside a door
- Relieves pressure differences within a house helping to balance a ventilation, heating or air conditioning system
- Baffle design limits the transfer of light and sound while allowing air to move through the wall
- Flange extends 2" beyond opening
- Includes 2 white wall grilles



"Perfect Balance" In-Door Air Pressure Relief System

Inexpensive in-door air pressure relief unit facilitates room-to-room air flow.

- Installed on the bottom of an interior door
- Eliminates pressure imbalances
- Baffle design limits the transfer of light and sound while allowing air to move through the wall
- Allows HVAC systems to run more efficiently
- Easy to install
- Durable, high impact ABS plastic
- Replaces crossover or jump ducts, return grilles ducted to a furnace or air conditioner
- Rough opening: 24" x 4"
- Product dimensions: 25" x 4.75" x 1.625"



Ordering Information

		R.A.P	Airflow@2.5 Pascals	Opening	Grille Size
Pressure Balancing Return Air Pathways					
5510.684	Pressure Balancing Return Air Pathway	12.4	48 CFM	12" x 4"	13.75" x 5.75"
5510.686	Pressure Balancing Return Air Pathway	12.6	69 CFM	12" x 6"	13.75" x 7.75"
5510.687	Pressure Balancing Return Air Pathway	14.8	109 CFM	14" x 8"	15.75" x 9.75"
5510.683	Pressure Balancing Return Air Pathway	12.12	127 CFM	12" x 12"	13.75" x 13.75"
Airflow@3 Pascals					
Perfect Balance In-Door Air Pressure Relief System					
5502.18	Perfect Balance In-Door Air Pressure Relief System	250 CFM			

Protective Gear

Safety Gear

North Half Respirator

- Contoured sealing flange eliminates pressure points
- Extended side flanges ensure the best possible seal during talking or other facial motions

Replacement Vapor Filter

- Recommended for respiratory protection against organic vapors
- 99.97% efficient against solid or liquid particles, including oil-based particles
- 2 per pack

Organic Vapor Cartridge

- Innovative, comfortable protection

Disposable Coveralls

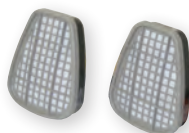
- Suits are packaged 25 per case
- Durable, breathable material



Mask Respirator



Replacement Vapor Filter



Organic Vapor Cartridge

Rattler Glasses/goggles

- Interchangeable 3-position ratcheting bayonet temples and an adjustable head band with each pair

Stryker Goggles

- Clear Anti-fog with indirect vent

Personal CO Leak Detector

- Compact

Booties (Not Shown)

Disposable Sleeves (Not Shown)



Rattler Glasses



Stryker Glasses

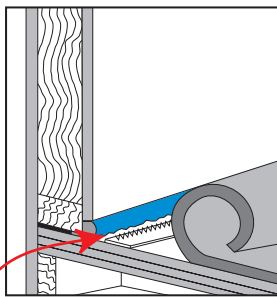


Ordering Information

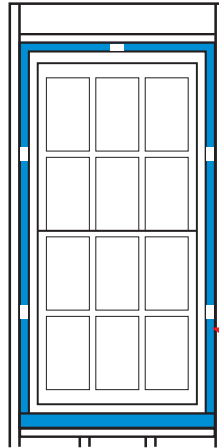
Safety Gear		Case Quantity
6020.22	Disposable Coverall with Attached Hood and Boots — M	25
6020.221	Disposable Coverall with Attached Hood and Boots — L	25
6020.222	Disposable Coverall with Attached Hood and Boots — XL	25
6020.223	Disposable Coverall with Attached Hood and Boots — 2XL	25
6020.224	Disposable Coverall with Attached Hood and Boots — 3XL	25
6020.225	Disposable Coverall with Attached Hood and Boots — 4XL	25
6020.132	Disposable Booties — 5 pair	25
6020.02	White Cotton Gloves — 12 Pair	25
6020.21	Rattler Glasses	
6020.2	Stryker Goggles	
6020.15	TY500 Disposable Sleeves	200
6800.401	North Half Mask Respirator Large	
6800.402	North Half Mask Respirator Medium	
6800.403	North Half Mask Respirator Small	
6800.404	7581P100 Replacement Vapor Filter 2 pack	
6800.405	6001 Organic Vapor Cartridge 2 pack	

Low Expansion Foam

Low expansion foam is an Air Sealing product that can be used to block air leaks in buildings from inside to outside, from outside to inside, and from room to room within the structure. Typically used for small holes, seams and linear gaps, plumbing, electrical, and HVAC penetrations. Low expansion foam is a quick and economical way to help make buildings more comfortable and energy efficient.



Low expansion foam used along floor wall intersection



Low expansion foam used to seal the gap around windows and doors

Uses and Information for Low Expansion Foam

- Use for:
 - Cracks and small openings around windows and doors
 - Plumbing, HVAC and electrical penetrations
 - Seams and small openings in framing
- Single component — moisture cured. Moisture from the air or surface of wood promotes curing. Use a spritzer during very cold, dry weather to induce curing.
- 20 minutes to full cure. Less than 10% expansion when cured
- The can of foam remains attached to the gun between uses eliminating waste
- The trigger can be set to control the bead size
- Cleaner should be used infrequently



See page 62 for
foam warming
products!

Low Expansion Foam

Todol Gun and Foam Starter Kit

Gun and Foam Starter Kit is ideal for carrying and storing foam/gun assembly. It also helps to avoid damage to the gun connections.

Starter kit includes:

- Carrying case
- Pageris gun
- Two 33 oz. canisters of PUR FILL 1G
- 10 Disposable needle tips for Pageris gun
- Can spray cleaner



Todol Gun Foam

Pur-Fil Foam and Construction Adhesive

- Less than 10% expansion
- 20 minute cure time
- 12 cans per case all types

PUR FILL 1G Foam

- 1,525 linear feet @ 3/8" bead

PUR FILL WF Window Foam

- 1,250 linear feet @ 3/8" bead

PUR Black Foam

- 1,525 linear feet @ 3/8" bead
- UV Resistant —great for outdoor use

PUR STICK Construction Adhesive

- One can is equivalent to 8–10 quart tubes
- Tested and approved
- ASTM: C-557, APA: AFG-01



TIP: Low expansion foam needs a small amount of moisture in order to cure properly. Most of the year, there is enough moisture in the air and on surfaces to accomplish the task. During extremely cold and dry weather, use a spray bottle to put a little water in cavities around windows, doors and other cracks so the foam will fully cure and create the seal you need.

Ordering Information

Todol Products Gun Foam Starter Kit	
3530.10	Gun and Foam Complete Starter Kit
3530.11	Carrying Case Only

Todol Products Gun Foam		Case QTY
3530.04	PUR FILL 1G Foam — 33 oz./750 ml.	12
3530.044	PUR FILL WF Window Foam — 24 oz./500 ml.	12
3530.042	PUR Black Foam — 33 oz./750 ml.	12
3530.043	PUR STICK Construction Adhesive — 20 oz.	12

Low Expansion Foam

See page 62 for
foam warming
products!



One Time Use System with Shut Off Valve

- Each Kit comes with a 10' hose and wand
- Meets ASTM E-84, E-814 and UL-1715
- Yields: 10 lb. kit = 6,800 linear feet @ 3/8" bead
16 lb. kit = 10,900 linear feet @ 3/8" bead
- Attach hose directly to a bottom load gun for neater application



Bottom Load Gun



INFORMATION: 10 & 16 lb. tanks and 200 and 600 kits shipped via UPS require a \$27.50 Haz-Mat charge per unit.

Touch 'n Seal Gun Foam

12 cans per case all types

Touch 'n Seal All Season

- Can be dispensed down to 20°F
- 1000 linear feet @ 3/8" bead

Touch 'n Seal No-Warp

- Exerts less curing pressure
- 900 linear feet @ 3/8" bead

Touch 'n Seal Fireblock

- ASTM 814 Tested
- Type V Residential Fireblock with orange pigment
- ICC certified ESR-1926
- 922 linear feet @ 3/8" bead

Touch 'n Seal Gun Cleaner

- Can be attached directly to the foam applicator gun



No-Warp

All Season

Fireblock

Foam Gun Cleaner

Ordering Information

One Time Use System Foam		Set per Pallet
3530.02	10 lb. Polyurethane Foam System*	30
3530.022	16 lb. Polyurethane Foam System*	50
3530.025	Extra 10' Gray Hose with Wand	
6510.307	Bottom Load Gun for 10 and 16 lb. Tanks	

Touch 'n Seal Gun Foam		Case QTY
3530.20	Touch 'n Seal All Season — 24 oz.	12
3500.64	Touch 'n Seal No-Warp — 20 oz.	12
3530.25	Touch 'n Seal Fireblock — 24 oz.	12
6570.01	Foam Gun Cleaner	12



Low Expansion Foam

Foam Guns and Accessories

Professional Grade

- Pageris foam gun
- Pageris foam gun with 24" barrel
- Disposable needle tip (for Pageris only)
- Plastic syringe body (for Pageris only)



Pageris

One month use

- Pur Shooter foam gun
- Sharpshooter X



Sharpshooter X

One time use — one job, one day

- Sharpshooter D

Extra Long Barrel

- Foam gun with 27" barrel
- Foam gun with 40" barrel



PUR-Shooter



Sharpshooter D



27" Long Barrel



40" Long Barrel

TIP: Put an electrical nut filled with petroleum jelly on the tip of your foam gun in between uses. This will protect the tip from damage and keep it sealed from moisture penetration. Be sure to pull the spring out of the wire nut to avoid scratching and damaging the tip.



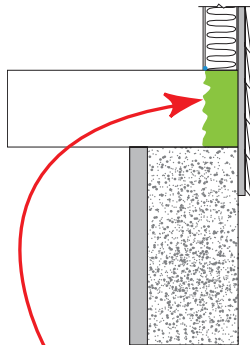
Ordering Information

Foam Gun and Accessories	
Professional Grade	
6510.03	Pageris Foam Gun — Professional Grade
6510.04	2" Disposable Needle Tip (For Pageris Only)
6510.07	Plastic Syringe Body (For Pageris Only)
One Month Use	
6510.038	Pur Shooter Foam Gun — One Month Use
6510.306	Sharpshooter X — One Month Use

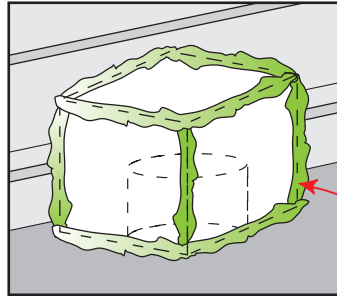
Foam Gun and Accessories	
One Time Use	
6510.303	Sharpshooter D — One Time Use
Extra Long Barrel	
6510.035	Foam Gun with 27" Barrel; 32" Overall
6510.309	Foam Gun with 40" Barrel; 49" Overall

High Expansion Foam

High expansion foam is an Air Sealing product that can be used to block air leaks in buildings from inside to outside, from outside to inside, and from room to room within the structure. Typically used for large voids and openings, high expansion foam is a quick and economical way to help make buildings more comfortable and energy efficient.



High expansion foam used along rim joist



High expansion foam around boxes over leaky recessed lights

Uses and Information for High Expansion Foam

- Use for
 - big voids — i.e. rim joists, roof/wall joints or big gaps in framing — i.e. under crawl spaces
 - blind corners
 - under hot tubs and Jacuzzis
 - wall/ceiling intersections
 - around boxes over can lights
- Two components — A and B in separate canisters
- A tank is red, B is white
- 1.75 lb. density
- Sprays out with the consistency of oatmeal
- Cures through a chemical reaction. Can't stop the process once it starts.
- Cures to 3 – 5 times its output size. 40 seconds to 90% cure, 2 minutes to full cure
- Dispensed with a gun and double hose assembly
- Components first meet in the nozzle of the gun. Nozzles are replaceable.
- With larger kits, hoses can be transferred to subsequent kits up to 5 times
- Kit should be used within 2 weeks once factory seals are broken



See page 62 for
foam warming
products!

High Expansion Foam Dispensing System

Constant Pressure Dispensing System

- On-board compressor pushes foam out of the tanks
- Consistent mix and flow from beginning to end of each set of tanks
- Complete use of both components
- Easily reach attics, basements and crawl spaces with up to 120' of hose
- No need to keep moving heavy tanks

SAVE TIME
SAVE MONEY
SAVE YOUR BACK

750 FR Board Foot Set — Closed Cell

- 750 board feet or 62.5 cubic feet
- R-value = 7 per inch, 85% closed cell
- Fire Retardant Formulae, class 1, ASTM E-84
- Kit weighs 136 lbs. 68 per tank
- 12 sets per pallet

1200 FR Board Foot Set — Open Cell

- 1200 board feet or 100 cubic feet
- R-value = 4.0 per inch, <10% closed cell
- Fire Retardant Formulae, class 1, ASTM E-84
- Kit weighs 136 lbs. 68 per tank
- 12 sets per pallet



Hose to hose shut off valve

The CPDS Series 2 Systems comes with the following:

- On board compressor
- Heater and cover
- 30' of hose
- 6' Heavy duty cord
- On/off valves for hoses and tanks
- 2 spray guns with 50 nozzles
- Tool box with wrenches
- Cleaner
- Instructions with a demo DVD

Purchase extra 30' hose sets and foam separately. Use up to 120' of hose on the system.



Ordering Information

Constant Pressure Dispensing System		Sets per Pallet
3530.429	CPDS Series 2 System	
3530.415	750 FR A & B tanks	12
3530.4151	1200 FR A & B Tanks	12
3530.421	30' Hose Set	
3530.417	Extra Gun with 12" Hose	

Constant Pressure Dispensing System		Bag Quantity
6510.301	Yellow Fan Spray Nozzle	25
6510.302	Clear Cone Spray Nozzle	25
3530.418	Hose to Tank Shut-off Valve	
3530.419	Hose to Gun and Hose to Hose Shut off Valve	

High Expansion Foam

Single kits — one time use

See page 62 for
foam warming
products!



600 Board Foot Kit — 50 Cubic Feet

600 Board Foot Set — Closed Cell

- 600 board feet or 50 cubic feet
- R-value = 7 per inch, 85% closed cell
- 1.75 lb. density
- Kit weighs 110 lbs., 55 lbs. per tank
- 12 sets per pallet
- Gun hose assembly NOT included
- FR version is available
- Fire Retardant Formulae, Class 1, ASTM E-84

1000 Board Foot Set — Open Cell

- 1000 board feet or 83 cubic feet
- Kit includes a 30' gun hose assembly
- R-value = 4.0 per inch, <10% closed cell
- 1 lb. density
- Kit weighs 110 lbs., 55 lbs. per tank
- 12 sets per pallet



200 Board Foot Kit — 16.6 Cubic Feet

200 Board Foot Kit — Closed Cell

- 200 board feet or 16.6 cubic feet
- R-value = 7 per inch, 85% closed cell
- Includes 10' gun/hose assembly with nozzles
- Kit weighs 39 lbs.
- 36 sets per pallet
- FR version is available
- Fire Retardant Formulae, Class 1, ASTM E-84



INFORMATION: Slow Rise can be special ordered for projects that require it.

15 Board Foot Kit — 1.25 Cubic Feet

- 15 board feet or 1.25 cubic feet
- R-value = 7 per inch, 90% closed cell
- Great for small fill-in work, fill cracks, gaps and holes
- Kit weighs 3.5 lbs.



Ordering Information

600 Board Foot Kit — 50 Cubic Feet		Pallet
3530.406	600 A & B Tanks	12
3530.407	600 A & B Tanks — FR	12

1000 Board Foot Kit — 83 Cubic Feet		
3530.41	1000 A & B Tanks with hose	12

200 Board Foot Kit — 16.6 Cubic Feet		Pallet
3530.405	200 Kit	36
3530.404	200 Kit — FR	36

15 Board Foot Kit — 1.25 Cubic Feet	
3530.19	15 Kit with hose and thumb nozzle



High Expansion Foam Accessories

INFORMATION: Materials may be stored below 70°F. However, temperatures of A & B canister materials must be brought to a minimum of 70°F prior to application. Canisters stored in low temperatures may require more than 24 hours to warm their chemical contents.

For optimum performance and foam quality, the temperature of the spray environment and foam materials should be 70–80°F. Application in temperatures below 70°F may increase set up time and reduce overall performance of polyurethane foam.

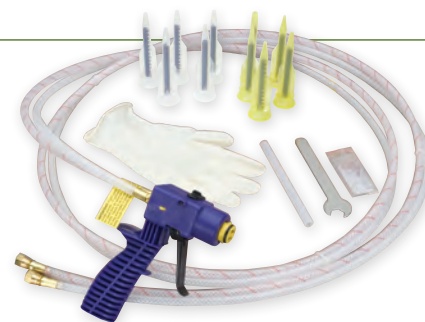
There are two types of spray foam: open-cell and closed cell. Closed cell foams have a higher R-value than open-cell foam, and are less vapor permeable, and thus serve as a vapor barrier as well as an air-barrier.

Gun Hose Assembly Kit

- Gun/Hose assembly for 600 tanks.
- 15' and 30' lengths available

Kit includes:

- Gun hose assembly (15' or 30')
- 5 Yellow fan spray nozzles
- 5 Clear fan spray nozzles
- Wrench
- 1 pair gloves
- Lubricant



Nozzles

- Yellow fan spray nozzle (Bag Quantity: 25)
- Clear cone spray nozzle (Bag Quantity: 25)



Ignition Barrier Coating

Developed specifically for spray polyurethane foam (SPF) barrier requirements. This product is a latex based coating that acts as a shield protecting the substrate from the exposure to flames by covering the treated material with a protective char-barrier.

- 5 Gallon bucket — 55 lbs.
- Brush or spray applied: 150 – 300 sq. ft. coverage per gallon
- Complies with IBC/IRC–2009 codes per AC377 Appendix X
- Latex based — soap and water clean up
- 24 hour cure, 36 month shelf life



Ordering Information

Gun Hose Assembly	
6510.316	15' Gun/Hose Assembly for 600 tanks
6510.317	30' Gun/Hose Assembly for 600 tanks

Gun Hose Assembly		Bag Quantity
6510.301	Yellow Fan Spray Nozzle	25
6510.302	Clear Cone Spray Nozzle	25

Ignition Barrier	
3530.431	Ignition Barrier Coating

Foam Accessories

Low and High Expansion Foam



Spray Foam Cylinder Wrap

- *Outer material:* nylon shell CPAI 84 — 2000 PSI
- *Middle:* heat retaining flexible barrier
- *Insulation:* closed cell polypropylene
- *Inner lining:* nylon
- Velcro closure & adjustable cinch straps
- Heavy duty industrial cord
- Handy cord storage pocket
- Cylinder wraps maximum heat 85°F
- 11.5" High x 41" long
- 120 Vac — 50 watts



INFORMATION: Cylinder wrap fits around one 16 lb. tank, 600 or 750 tank **OR** both of the 200 tanks. Mini wrap fits around 10 and 16 lb. tanks.

Heated Foam Hose Sleeve Starter and Extensions

- Outer material: heavy duty nylon shell CPAI 84 — 2000 PSI
- Self regulating heat tape warming system — 5 watts per foot
- Polyethylene closed cell flame retardant foam insulated lining
- Slides on with easy pull string system
- Nylon tie wraps secure heat tape to foam hose
- 6' Heavy duty industrial cord
- 25' Long — gangeable to 150' with extension pieces
- 120 Vac — 5 watts per foot



Sealant Warmer

- 1" Nylon strap with quick disconnect, velcro closure on flap
- Heavy duty industrial cord
- Handy cord storage pocket
- 18" High x 15" wide x 3" deep
- 120 Vac — 50 watts
- Maintains sealant at 80°F even when the outside temperature drops to -13°F

HOLDS:

- 12 standard tubes of sealant **OR**
- 6 quart size tubes of sealant **OR**
- 6 cans of foam **OR**
- 8 rolls sealing tape



Ultra-compact DC/AC Inverter

- 12V AC/DC input; 120v output; 2 outlets
- 375 watts continuous output
- Convenient cigarette lighter plug



Ordering Information

Warming Wraps	
3530.801	Cylinder Wrap — for 16 lb. tank, 200 and 600 kits
3530.805	Mini Cylinder Wrap — for 10 lb. tank
3530.803	Foam Hose Wrap 25'
3530.804	Foam Hose Wrap 25' Extension

Sealant Warmer	
3530.802	Sealant Warming Bag
DC/AC Inverter	
7300.901	Tripp Lite PowerVerter

Air Sealing Products

See page 62 for
sealant warming
products!

Caulks — Interior/Exterior

100% Silicone

- Flexible, waterproof; temperature range –65°F to 400°F
- 100% Silicone is not paintable
- Indoor/outdoor use
- Rated 50 years
- 12 Tubes per case

Siliconized Acrylic Latex

- Paintable, indoor/outdoor use
- Rated 30 years
- 12 Tubes per case

Caulk Zero

- Zero VOCs and glycols
- Rated 50 years
- Paintable
- Indoor and outdoor use

Caulk Gun

- Heavy duty parallel frame
- 11 oz. cartridge size



Fire Break Caulk

Fire Break Caulk is a non-combustible filler compound used for fire stopping applications around pipes, ducts, vents, electrical wiring, masonry and other penetrations in the building envelope.

Two types available:

- ASTM E-136 Residential code approved
- ASTM E-814 Commercial code approved
- 12 Tubes per case



Backer Rod Pro

Use Backer Rod in cracks and gaps around windows and doors as a backer for low-expansion foam. Convenient Pro Packs come with an easy to dispense hole in the top of the box and ready to go handles making any large job a breeze.

- 3/8" x 350 ft. = Green Box
- 1/2" x 250 ft. = Yellow Box
- 5/8" x 150 ft. = Orange Box



Ordering Information

Caulks — Interior/Exterior		Case QTY
3500.065	Tower Caulk Zero — White	12
3500.063	Dupont 100% Silicone — White	12
3500.064	Dupont 100% Silicone — Clear	12
3500.062	Dupont Siliconized Acrylic Latex — Clear	12
3500.061	Dupont Siliconized Acrylic Latex — White	12
Caulk Gun		
6500.02	Deluxe Caulk Gun (Cartridge)	

Fire Break Caulk			
3500.65	Astm E-136, Residential, 4 Hr Rating		12
3500.66	Astm E-814, Commercial, 8 Hr Rating		12

Backer Rod Pro			
3530.201	71550	3/8" x 350 ft. Backer Rod Pro Pack	
3530.202	71551	1/2" x 250 ft. Backer Rod Pro Pack	
3530.203	71552	5/8" x 150 ft. Backer Rod Pro Pack	

Duct Sealing Products



Duct Sealing Information

By properly installing and then sealing ducts, the contractor can diminish the possibility of moisture and mold problems, the potential for back drafting appliances, and introducing pollutants to the living environment. It's water based so it's easy to apply and clean up.

When sealing ducts we recommend:

- Seal all seams and joints by applying with a brush
- Use Butyl Tape as an alternate to seal seams
- Use mastic along with mesh tape to bridge the gap and strengthen the seal



Duct Sealing Supplies

Mastic

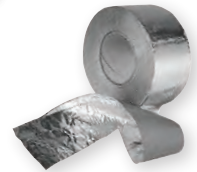
RCD #6 is a non-toxic adhesive sealant used to seal joints and seams of low to high velocity air ducts.

- Available in 2 gallon, 1 gallon, and 11 oz. tubes
- Water based, fiber reinforced
- Elastomeric
- Off white in color
- Use mesh tape as backer
- 12 — 11 oz. tubes per case
- 80 Two Gallon buckets per pallet
- 150 One Gallon buckets per pallet



Butyl Foil Tape

- Alternative to mastic
- UL 181 B-FX Listed
- Backing: 2 mil soft alum, Adhesive: 15 mil butyl
- Meets all SMACNA pressure and sealing classes
- 16 Rolls per case



FilterLock Duct Filter Seal

FilterLock is designed to cover and seal common 1" furnace filter slots.

- Accommodates slots up to 25" long
- Magnetic strips in the edges of each piece hold the unit in place and seal most leakage



Ordering Information

Duct Sealing Supplies	
Mastic	
3520.02	RCD #6 Mastic 2 Gallon Bucket
3520.04	RCD #6 Mastic 1 Gallon Bucket
3520.03	RCD #6 Mastic 11 oz. Tube
3520.05	RCD #7 Mastic — 1 Gallon Bucket Grey
6800.061	Mesh Tape 3" X 150'

Duct Sealing Supplies	
Butyl Tape	
6800.301	Duct Sealant Butyl-Foil Tape 3"X100'
Duct Filter Seal	
6800.302	Filter Lock Duct Filter Seal

Air Leakage Detectors

Smoke Pencil

- Used to detect leaks in buildings
- Uses non-toxic glycol, glycerin and water solution vapor

Kit includes:

- Smoke Pencil Pro
- Adapter Tip
- 7 AA Batteries
- Screwdriver
- 3oz. Smoke Fluid
- Instruction Sheet
- Black Case



Smoke Pen

- Easy to use
- 6 replacement wicks provides 3 hours of continuous smoke or hundreds of 30 second tests
- Uses non-toxic smoke sticks



Retrotec Leakage Detector — Pick Up Only

- Used to detect leaks in buildings
- Uses titanium tetrachloride
- Good for over 1,000 puffs or 1 year, once activated
- Pick up only, cannot ship



Ordering Information

Smoke Pencil	
3570.125	Smoke Pencil Field Kit
3570.124	Smoke Pencil Fluid Refill
3570.123	Smoke Pencil Adapter Tip

Smoke Pen	
3570.12	Smoke Pen includes 6 Wicks
3570.121	Smoke Pencil Refill — 6 Wicks

Leakage Detector	
3570.10	Retrotec Leakage Detector

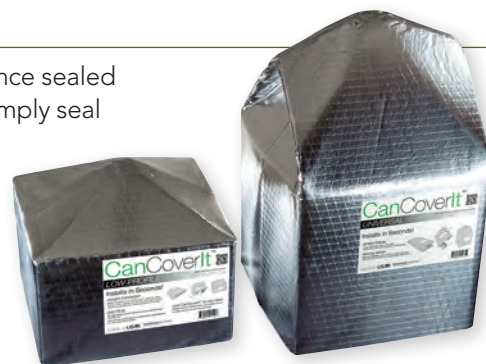
Air Sealing Products



CanCoverIt Recessed Can Cover

CanCoverIt is made of durable FSK facing and FSK tape to ensure an air tight fit once sealed to the attic floor. It is easy to cut and fit around the brackets, wires, and framing. Simply seal the bottom edge with low expansion foam.

- Exterior Fire Resistance rating UL 723/ASTM E84 — 0 Smoke, 5 Flame Spread
- Fiberglass interior heat resistance 475 – 700°F
- Lightweight — approximate 1.5 lbs. per unit
- Fits typical 6" Can-Fixture and up to 7" max. can diameter
- Manufactured in the USA



Universal

External Dimensions: 14" x 14" x 22"
Internal Dimensions: 13" x 13" x 21.5"

Low Profile

External Dimensions: 14" x 14" x 12"
Internal Dimensions: 13" x 13" x 11.5"

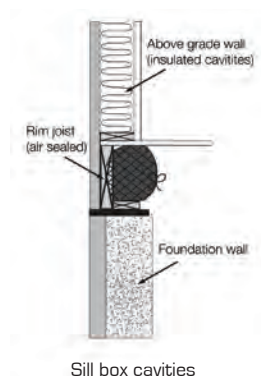


Insul-Bag

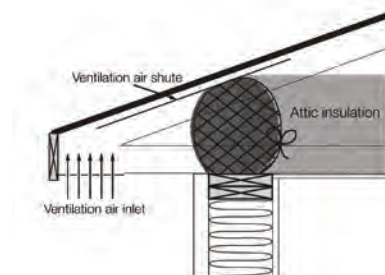
Insul-Bags™ are mesh-style bags intended to provide an effective, versatile, economical, lightweight, low-tech, durable, and easy-to-use method of creating bagged insulation (dense-packed cellulose or fiberglass) to seal and insulate key junctures & attic bypasses, to create "plugs" in wall and/or floor cavities, and to serve as insulation dams. Properly installed, packed Insul-Bags™ are an effective product as part of a system to reduce/eliminate ice dams in cold climates.

Effective method for air sealing and insulating:

- floor and wall cavities of balloon-framed homes
- band joists
- cantilevered floors
- bases of knee walls
- sloped ceiling cavities
- 100 Bags per case



Sill box cavities



Exterior wall top plate in attic

Ordering Information

CanCoverIt Recessed Can Cover	
5700.31	Universal — Non IC-rated Cans
5700.32	Low Profile — IC-rated Cans

Insul-Bag	
3570.401	Mesh Insul-bag — Bundle of 100

Air Sealing Products

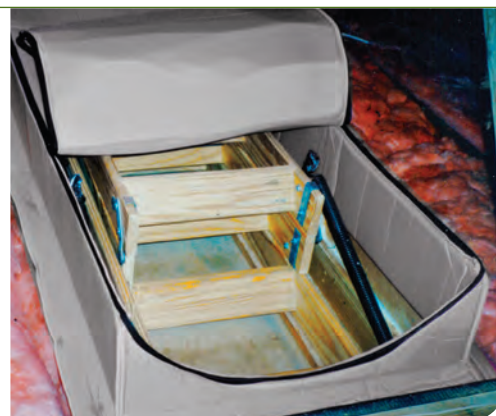
Therma-Dome

- Insulation cover for folding attic stairways
- Constructed of a durable, laminated foil urethane insulation
- Foam gaskets and tie-downs provide continuous draft seal
- R-value = 13.6, 1.5" rigid foam
- Inside dimensions 27" W x 60" L x 10.5" H



Attic Tent™

- Lightweight, easy to install
- Fully assembled, installs in 15 minutes
- Installs using a staple gun and caulking or tape
- Zipper allows safe and easy access
- Creates air barrier with 3.2 R-value
- 4 sizes available



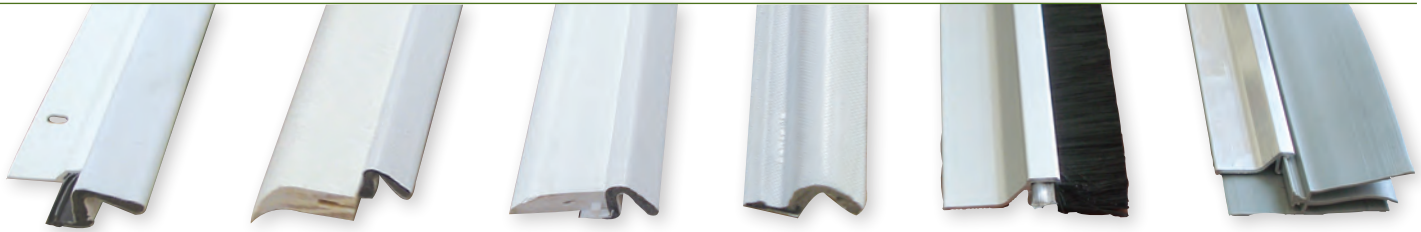
Ordering Information

Thermadome	
3570.011	Attic Stair Cover
Attic Tent	
3570.3	At-1 22" X 54" X 7"
3570.31	At-2 25" X 54" X 7"
3570.32	At-3 22" X 54" X 13"
3570.33	At-4 25" X 54" X 13"

Air Sealing Products



Q-lon Door Weather-Stripping



Aluminum Carrier

Primed Wood

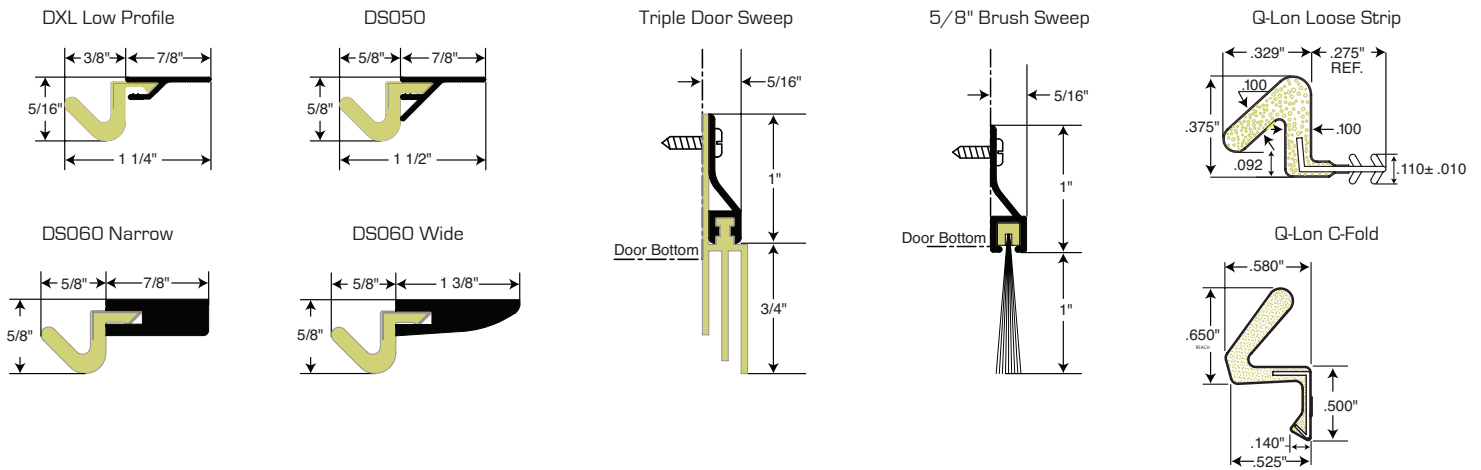
Vinyl Carrier

Loose Strip

Brush Sweep

Triple Door Sweep

- Q-lon vinyl faced foam mounted on painted aluminum, primed wood or vinyl carrier
- Q-lon maintains flexibility to -4°F
- Seals up to 1" gaps, compensating for door bowing or warping
- Two 6'8" side strips, one 3' header piece



Ordering Information

	Carrier	Q-Lon	Case QTY
Q-Lon Weather-Stripping Kits			
DXL Low Profile Metal Carrier with Q-Lon			
3540.501	Mill	Black	30
3540.502	White	White	30
3540.503	Brown	Brown	30
DS050 Standard Metal Carrier with Q-Lon			
3540.504	Mill	Grey	20
3540.505	White	White	20
3540.506	Brown	Brown	20
DS060 with Primed Wood Carrier with Q-Lon			
3540.507	White — Primed	White	12
3540.508	White — Primed	Brown	12
DS060 Narrow Vinyl Carrier with Q-Lon			
3540.509	White	White	15
3540.511	Brown	Brown	15

	Carrier	Q-Lon	Case QTY
DS060 Wide Vinyl Carrier with Q-Lon			
3540.512	White	White	12
3540.513	Brown	Brown	12
Triple Door Sweep			
3540.514	Mill	Grey	100
3540.515	White	Grey	100
3540.516	Brown	Grey	100
5/8" Brush Sweep			
3540.517	Mill	Black	100
3540.518	Brown	Black	100
Loose Q-Lon Strips			
3540.17	QDS 650	86" Loose Strip — White	125
3540.16	QDS 650	86" Loose Strip — Brown	125
3540.21	QDS 375	86" C-Fold Loose Strip — White	150
3540.20	QDS 375	86" C-Fold Loose Strip — Brown	150

Air Sealing Products

Door Sweeps

Spring Loaded Door Sweeps

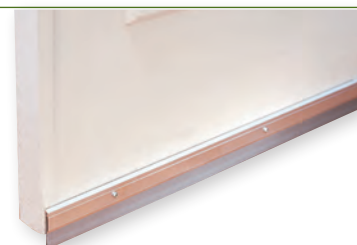
- Spring loaded, turns up when door is opened to clear carpets
- Seals up to 1/2" between threshold and bottom

Triple Flange Door Sweeps

- Aluminum and Vinyl Triple Flange — 36"

Heavy Duty Door Sweeps

- Seals up to 3/4" between threshold and bottom



Window Weather-Stripping

V-Seal Window Weather-Stripping

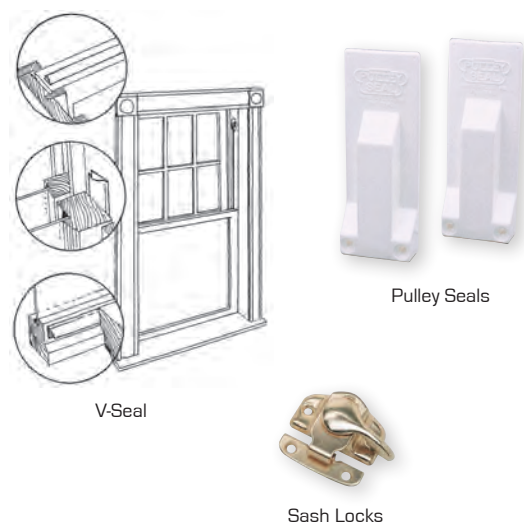
- Pre-formed V-Seal weather-stripping with adhesive backing is used to block air leakage around double hung windows
- Use wide on bottom sill, top of window and sash sides
- Use narrow on meeting rails

Pulley Seals

- Includes gasket and screws for secure fit
- Reduces infiltration by covering pulley weight holes

Sash Locks

- Brass construction
- Tightens double hung windows reducing infiltration



Ordering Information

Door Sweeps		Case Qty
Spring Loaded Door Sweeps		
3550.13	Automatic Pop-Up Sweep Sgl Flange — 36" Wh	6
3550.12	Automatic Pop-Up Sweep Sgl Flange — 36" Br	6
Triple Flange Door Sweeps		
3550.166	Aluminum and Vinyl Triple Flange — 36"	50
Heavy Duty Door Sweeps		
3550.1	Heavy Duty Aluminum/Vinyl Double Flange—36"	6
3550.11	Heavy Duty Aluminum/Vinyl Double Flange—48"	6

Window Weather-stripping		Case Qty
3560.022	Schlegel Best Quality Wide White — 1.25" X 7'	100
3560.025	Schlegel Best Quality Narrow White — 0.6" X 7'	100
3560.03	Schlegel Best Quality Wide Tan — 1.25" X 7'	100
3560.05	Schlegel Best Quality Narrow Tan — 0.6" X 7'	100
3560.041	Polyflex Wide Clear — 1.25" X 7'	100
3560.07	Polyflex Narrow Clear — 0.375" X 7'	250
Pulley Seals		
3560.021	Bag Of 25 Pair — White	
Sash Locks		
6520.02	Ives Clamshell Sash Lock	125
6520.04	Ives Side Fastener Lock	125

Air Sealing Products



Tu-Tuf Vapor Barrier

- White cross-laminated virgin poly sheeting; made from high-density resins
- Use on warm side of outside walls; under concrete flooring; around outside perimeter of foundations
- 6.4x more puncture resistant than low-density 4-mil poly

INFORMATION:

Vapor Permeance: 0.00741
 Water Resistance: 100 dry indicator/hour
 Tensile Strength: 8,507 psi, 34 lbs. per inch width
 Puncture Resistance: 275.8 beach units



White



Translucent

Vapor Barrier Sealing Products

Tremco Seam Sealant — Quart

- Use for sealing drywall partitions and party walls; vapor barrier seams
- 12 Tubes per case



Delux Caulk Gun — Quart

- Ideal for latex, silicone, adhesive rubber compound, and polyurethanes



Venture Construction Tape

- Use for sealing seams and repairing cuts in housewraps, foamboards, poly barriers
- Performance below freezing to -35°F
- 16 Rolls per case



Ordering Information

Tu-Tuf Vapor Barrier	
5520.211	9' X 100' #4 White
5520.23	12' X 100' #4 White
5520.210	9' X 100' Xf Translucent
5520.230	12' X 100' Xf Translucent

Vapor Barrier Sealing Products		Case QTY
6800.021	Venture Construction Tape 2" X 216'	8
3500.4	Tremco Seam Sealant (Quart)	12
6500.03	Deluxe Caulk Gun (Quart)	

Air Sealing Products

Air-Tite Cover Plates

- Heavy plastic plates in White or Ivory
- Gasket pre-installed — no cutting
- Outlets have a snap in plastic plate for sealing and safety when not in use
- Fits standard wall switches and 3-prong plugs
- Screws included

Available in two colors



Back Side



Switch Plate



Double Switch Plate



Quad Switch Plate



Triple Switch Plate



Double Outlet Plate



Outlet Plate



Telephone Plate



Cable Plate

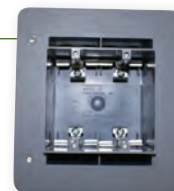
Lessco Air and Vapor Tight Boxes

- Use behind standard electrical boxes
- Fits up to a 3-gang box
- Sturdy flange for air/vapor barrier attachment
- 60 Boxes per case



Airfoil Air and Vapor Tight Electrical Boxes

- Solid one piece construction
- Eliminates air and moisture movement through electrical openings
- Provides visible airtight seal — easily installed and inspected



Ordering Information

Airtite Cover Plates	
3530.381	Outlet — White
3530.371	Outlet — Ivory
3530.382	Switch — White
3530.372	Switch — Ivory
3530.384	Double Outlet — White
3530.374	Double Outlet — Ivory
3530.385	Double Switch — White
3530.375	Double Switch — Ivory
3530.388	Triple Switch — White
3530.378	Triple Switch — Ivory
3530.389	Quad Switch — White
3530.379	Quad Switch — Ivory

Airtite Cover Plates continued	
3530.383	Switch/Outlet — White
3530.373	Switch/Outlet — Ivory
3530.386	Telephone — White
3530.376	Telephone — Ivory
3530.387	Cable — White
3530.377	Cable — Ivory

Air and Vapor Tight Electrical Boxes		Case Quantity
5700.01	LESSCO Box	60
5700.17	Airfoil Single Gang Box	40
5700.171	Airfoil Two Gang Box	24
5700.172	Airfoil Round Outlet Box	36
5700.173	Airfoil Fan Box Round	15

SIGA Professional Tapes



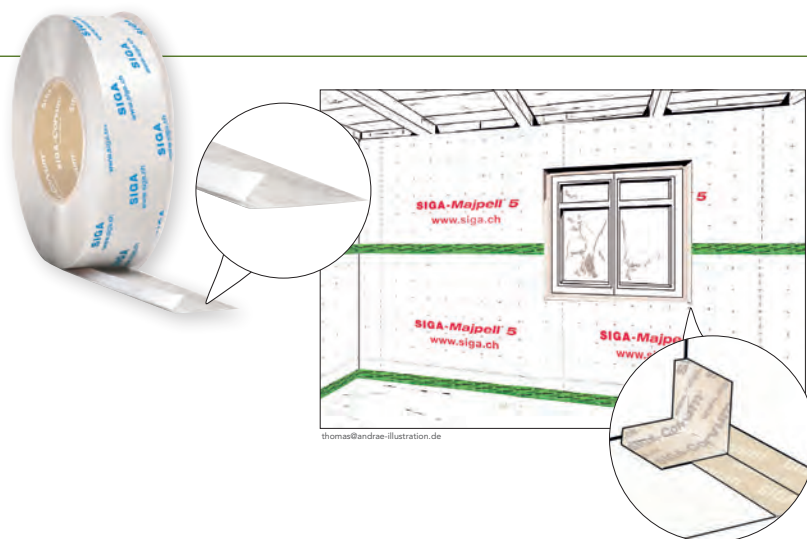
All Siga High Performance Tapes have the following features and benefits:

- Acrylic based — will not dry out
No solvents or toxins
- Rainproof and weather resistant —
No worries on the job site
- Can be used to below freezing temperatures
— No heating of product or surfaces
is necessary

Corvum 12/48

Interior tape for door and window frames

- Seal the seam around windows and doors —
Quick and easy application
- Pre-folded — Allows application to inside corners
- Works in the cold on cold surfaces —
No need to heat the tape or the surface



Rissan 60

Interior tape for seams and penetrations

- Use around pipes and penetrations — Eliminate caulks
and sealants
- Use on vapor barriers/seams — Quick easy application,
no roller necessary
- Flexible and elastic — Seal any odd shaped penetration



Ordering Information

SIGA Adhesives — Interior			Case Quantity
6800.502	Corvum 12/48	0.4/1.89" x 82'	10 Rolls
6800.501	Rissan-60	2.4" x 82'	10 Rolls

SIGA Professional Tapes

Wigluv

Exterior tape for seams and penetrations — plumbing, electrical, ventilation

- Seal all seams on exterior cladding, barriers or foam board — Save time on the details
- Seal all housewraps to concrete, window and door frames — Move quickly creating the bond with hand pressure, no rollers needed
- Wigluv 20/40 — Use outside on windows and doors at inside corners to bond the frame for windproof and water proof seals. Backing is slit in the middle to make installation easy.
- Wigluv 60 — Use outside for wind tight sealing of breathable membranes and facade membranes, for overlaps, and penetrations on the outside.
- Wigluv 100, 150 and 200 — Use outside for wind tight sealing of roof insulating and facade boards. Combined with the high-performance primer Dockskin, Wigluv 100, 150 and 200 offer a unique solution for wood fiber boards and masonry, and for foundation to wall joints.



Dockskin

High Performance Primer

- Ensures a strong bond to rough surfaces — Worry free application
- Brush on primer — Easy to apply with a brush or roller
- Usable on cold surfaces down to -14° — No need to warm product or surfaces



Ordering Information

SIGA Adhesives — Exterior			Case Quantity
6800.5041	Wigluv-20/40	2.4" x 131'	10 Rolls
6800.504	Wigluv-60	2.4" x 131'	10 Rolls
6800.5042	Wigluv-100	3.9" x 82'	6 Rolls

SIGA Adhesives — Exterior			Case Quantity
6800.5043	Wigluv-150	5.9" x 82'	4 Rolls
6800.5044	Wigluv-200	9" x 82'	2 Rolls
6800.503	Dockskin 2.2lb Can	2.2 lb.	6 Cans

Testing Equipment



Minneapolis Blower Door™

- Precision engineered, calibrated equipment
- DG 700 Digital pressure and flow gauge — highly accurate
- Lightweight and rugged injection molded fan housing
- Quick and accurate flow measurements from 300 to 6,300 CFM
- Powerful 3/4 hp motor provides continuous flow for testing and air sealing work
- Able to perform with both pressurization and depressurization testing



Minneapolis Duct Blaster™

- DG 700 Digital pressure and flow gauge
- Quick and accurate airtightness measurements from 10 to 1,500 CFM
- Ideal for new construction applications where a Blower Door can't be used
- Able to perform with both pressurization and depressurization testing



Air Grille Masking Tape

- Designed specifically for duct diagnostics and leakage testing
- Use this tape to seal duct grilles and registers
- 8" x 200' Rolls
- 6 Rolls per case
- Perforated every 4"
- Easily dispensable wide rolls with adhesive backing that will not remove paint from factory painted surfaces and grilles (test for removal of paint from hand painted grilles)



Ordering Information

Minneapolis Blower Door	
5200.953	Blower Door

Minneapolis Duct Blaster	
5200.954	Duct Blaster

Grille Seal		Case Quantity
3520.01	Premium Grille Seal	6



Testing Equipment

Exhaust Fan Flow Meter

- Make quick and accurate measurements of air flow through residential exhaust fans
- Small, light and easy to use
- Measure airflows down to 10 CFM and up to 120 CFM
- 13" x 16" x 8" deep
- Accuracy to 10% when used with the DG-700 measuring gauge
- Includes a short handle that can be attached to a painter's pole for high ceilings



FLIR Infrared Cameras

Use Infrared Cameras to help you identify problems that exist in buildings. Thermal Imagers can help you find voids in insulation, air leaks and moisture sources.

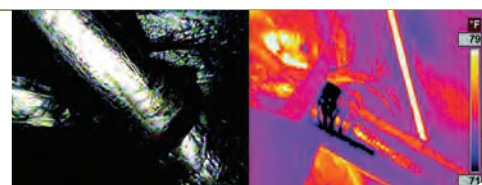
These cameras can be used to make powerful presentations to your customers and prospects. They will help you understand how buildings operate while helping you to save your customers energy and money.

Flir E4

- 80 x 60 Resolution
- 0.015 °C sensitivity
- -4 to 483°F temperature range
- 4 hour battery

Flir E6

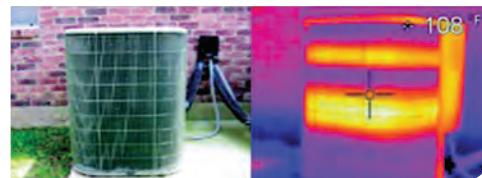
- 120 x 90 Resolution
- 0.06° C sensitivity
- -4 to 483°F temperature range
- 4 hour battery



Quickly locate heating and cooling duct leaks as well as clogged plumbing to prevent energy waste and potential damage.

Flir E5

- 120 x 90 Resolution
- 0.010 °C sensitivity
- -4 to 483°F temperature range
- 4 hour battery



Detect problems with air conditioners and heaters, and troubleshoot radiant flooring components to maximize energy efficiency.

Ordering Information

Exhaust Fan Flow Meter	
5200.962	Exhaust Fan Flow Meter
FLIR Infrared Cameras	
7000.5161	Flir E4 Infrared Camera
7000.5162	Flir E5 Infrared Camera
7000.5163	Flir E6 Infrared Camera

Camera Accessories	
7000.5175	Spare Battery
7000.904	Battery Charger
7000.903	Tool belt
7000.901	Pouch Case
7000.902	Car Charger

Testing Equipment



Borescope

Use the Extech BR80 and BR300 Borescopes to inspect Heating and AC systems, the interior of walls and floor systems and any other hard to see places. Imaging and illumination are provided by a full color LCD screen.

Extech BR80

- 2.4" color LCD monitor
- 39" flexible cable
- LED lights illuminate image
- Batteries, mirror, hook and magnet included

Extech BR300

- Waterproof and lightweight
- 2x digital zoom for close up viewing
- 2.7" color LCD monitor
- 39" flexible cable
- LED lights illuminate image
- Batteries, mirror, hook and magnet included



Moisture, Temperature, and Humidity Testing

Extech MO210 Pocket Size Moisture Meter

- Digital readout and bar graph
- Use on wood, wallboard, sheet rock, planter, concrete and mortar
- Comes with protective cap, replacement pins and batteries



Extech 42509 Dual Laser IR Thermometer

- Fast and accurate measurements at 12"
- Blue screen turns red when temperature exceed set limits
- Dual Lasers increase accuracy



Extech RT10 Humidity & Temperature Log with USB

- Use to data log humidity and temperature



Ordering Information

Testing Equipment	
Extech Borescope	
7000.526	Extech BR80 Borescope
7000.522	Extech BR300 Borescope

Testing Equipment	
Extech Moisture, Temperature, and Humidity Testing	
7000.914	Extech MO210
7000.915	Extech 42509
7000.916	Extech RT10



Testing Equipment

Fyrite™ Insight Plus Combustion Analyzer

- Residential use
 - In-field calibration and sensor replacement
 - Little or no down time
 - Measures the following
 - Combustion and Efficiency
 - Room Air CO
 - Flue Gas CO
 - Includes probe, carrying case and protective rubber boot
- Dual Channel Digital Temperature Reading (up to 999°F)
 - Digital Manometer — pressure readings



Monoxor™ III Carbon Monoxide Analyzer

- Analyze ambient air and stack gases
- Battery powered (4 AA), hand held
- Measure levels between 0 and 2,000 ppm
- Includes probe and 5' of tubing
- Accuracy = +/-5% of reading



Dual Channel Thermometer

- -50°F to 2000°F (approx.)
- 2 K-type 39" thermocouples
- T1-T2 differential measurements
- Min-Max hold function
- Flip up stand
- Includes protective boot and battery



Humidity-Temperature Meter

- Humidity: 10% RH-95% RH
- Temperature: -4°F to 140°F
- Wet bulb and dew point temp readings
- Data-hold and relative function
- Dual LCD display with bar graph indication
- Includes soft carrying case and batteries



Ordering Information

Testing Equipment		
Fyrite		
5200.0172	24-8250	Fyrite Insight Plus
5200.0171	24-8251	Fyrite Printer

Testing Equipment		
Bacharach		
5200.057	19-8104	Bacharach Monoxor™ III
5200.09	TH3000	Bacharach Dual Channel Thermometer
5200.11	TH1800	Bacharach Humidity-Temperature Meter

Monitors



Electricity Monitors

E.E.D. Watts Up? Monitors

The Watts Up? Monitor will provide the following information:

- Current watts, minimum watts, and maximum watts
- Power factor
- Cumulative and average watt hours
- Cumulative and average cost
- Line volts, minimum volts, and maximum volts
- Current amps, minimum amps, and maximum amps

The Watts Up? PRO downloads data to a PC, includes software for graphing, has a payback calculator and stores power profiles of multiple devices. Includes a USB cable and software.



Product comparison			
	Kill-A-Watt	Watts Up?	Watts Up? Pro
Plug	Direct	Corded	Corded
Accuracy	+/-0.2%	+/-3.0%	+/-3.0%
PC Interface	No	No	Yes
Cumulative Watt Hours	Yes	Yes	Yes
Monthly Watt Hours	No	Yes	Yes
Minimum Watts	No	Yes	Yes
Watts	Yes	Yes	Yes
Maximum Watts	No	Yes	Yes
Minimum Volts	No	Yes	Yes
Volts	Yes	Yes	Yes
Maximum Volts	No	Yes	Yes
Minimum Amps	No	Yes	Yes
Amps	Yes	Yes	Yes
Maximum Amps	No	Yes	Yes
Power Factor	Yes	Yes	Yes
Cumulative Cost	No	Yes	Yes
Monthly Cost	No	Yes	Yes
Elapsed Time	No	Yes	Yes

Kill-A-Watt Monitor

Plug the Kill-A-Watt Monitor into a three-prong grounded electric outlet. Plug the device to be evaluated into the top of the monitor.

- Simple electricity measuring device
- Use on various items to get reading on wattage, voltage and amperage



LCD Refrigerator /Freezer Thermometer

Get accurate temperature readings with this miniature digital thermometer.

Ideal for use in refrigerators, chillers and deep freezes the thermometer has a range of -58°F ~ 158°F.

- Unit dimensions: 1.89 x 1.25 x 0.59
- Runs on two 1.5V LR44 batteries included
- Accuracy :±1.8°F
- Easy to read LCD display



Ordering Information

Monitors	
Watts Up? Monitors	
5020.404	E.E.D. Watts Up? Monitor
5020.403	E.E.D. Watts Up? Pro Monitor
Kill-A-Watt Monitor	
5020.402	Kill A Watt Monitor P4400

Meters and Monitors	
LCD Refrigerator/Freezer Thermometer	
5200.701	LCD Refrigerator/Freezer Thermometer

Monitors

All Advanced Power Strips (APS) have the following features and benefits:

- Save energy on home entertainment systems and offices
- Automatically shuts down devices when not in use
- Eliminate 'Phantom Loads'
- Essential devices with programming remain 'hot'
- Switch on/off main device, the rest turn on/off Advanced Power Strips

Advanced Power Strips (APS)

TrickleStar Advance Power Strip

- 7 Outlets
- 1 Control Outlet
- 2 Always On Outlets (1 outlet transformer spaced)
- 4 Switched Outlets (1 outlet transformer spaced)

TrickleStar Advance Power Strip Plus

- Includes an InfraRed (IR) motion sensor
- 7 Outlets
- 1 Control Outlet
- 2 Always On Outlets (1 outlet transformer spaced)
- 5 Switched Outlets (1 outlet transformer spaced)



Temperature and Relative Humidity Displays

Stand alone unit that can be wall mounted or used as a table display.

Indoor/Outdoor Thermometer

- Temp range: -58°F to 158°F
- Celsius and Fahrenheit settings
- Retains low and high reading in memory
- Outdoor sensor at the end of a 10' wire
- Runs on one AAA battery included

Indoor Thermometer with Relative Humidity

- Temp range: -58°F to 158°F
- Relative Humidity range -5% to 95%
- Celsius and Fahrenheit settings
- Retains low and high reading in memory
- Runs on one AAA battery included



Ordering Information

Advanced Power Strips		
7005.601	175SS-US-4CD	TrickleStar 4-Outlet Power Strip
7005.609	181SS-US-7XX	TrickleStar 7-Outlet Power Strip
7005.613	188LV-US-7XX	TrickleStar 7-Outlet Plus + IR Sensor

Temperature and Relative Humidity Displays		
5000.61	TE503	Aube Indoor/Outdoor Thermometer
5000.6	TE513	Aube Indoor Thermometer — Relative Humidity Display

Learning Thermostats



Nest Wi-Fi Learning Thermostat

Nest learns your schedule, programs itself, and can be controlled from your phone. If you forget to turn your Nest down when you leave, Nest will notice and adjust your heating and/or cooling system so you do not waste energy. You can also use your phone or tablet and make changes if you want. Nest lets you know how you are doing by displaying a leaf whenever you are saving energy.

- Keeps you comfortable
- Helps you save energy
- Learns your schedule and programs itself
- Will adjust the programming as your schedule changes
- Can be controlled through your phone from anywhere

Other Features and Benefits include:

- Self Programming — Makes it easy by eliminating the need to figure out programming
- Learns Your Schedule — Adjusts to changes automatically so if your schedule changes, Nest will know and adjust the program
- Auto Away — Nest will turn your heating / cooling system down when no one is home. You can also adjust the temperature remotely from your phone if you want or just check to see the setting.
- Nest Leaf — A leaf will appear on the screen whenever you have made an adjustment that will save you energy



INFORMATION:

<i>LCD Display:</i>	24 bit color; 320 × 320 pixel display; 1.75" D
<i>Warranty:</i>	2 year limited warranty
<i>Sensors:</i>	Temperature; Humidity; Far-field activity; Near-field activity; Ambient light
<i>Battery:</i>	Built-in rechargeable lithium ion battery
<i>Power consumption:</i>	Less than 0.03kWh per month

Ordering Information

Nest Thermostat	
5000.731	Nest Wi-Fi Learning Thermostat

Programmable Thermostats

Heating and Cooling Electronic Thermostat

- Programmable
- Use for heating only or heating/cooling
- 5–2 day programming, 4 settings per day
- Operates in automatic, manual, or vacation modes
- Battery operated with low battery indicator, holds program when changing batteries
- Wall plate accepts 2, 3, 4, or 5 wires
- Dimensions: 4.8" x 3.25" x 1.125"



Line Voltage Thermostats for Electric Baseboard and Convectors

Programmable — 2 wire

- 4,000w @ 240 volts; 2,000w @ 120 volts
16.7 Amp resistive
- 2 wires, SPST
- 7 Day Independent programming, 4 settings per day
- Operate in automatic, manual or vacation modes
- No battery — protected memory
- Dimensions: 4.9" x 5" x 1.5"
- Available for 277v systems-special order

Programmable — 4 wire

- 3,600w @ 240 volts. 15 Amp resistive load
- 4 wires, DPST
- 7 day independent programming, 4 settings per day
- Operate in automatic, manual, or vacation modes
- No battery — protected memory
- Dimensions: 4.8" x 2.7" x 1.0"



Low Voltage Thermostats For Forced Air, Hot Water and Air Conditioning

Programmable

- Use for heating only or heating/cooling
- Auto change over
- 7 day independent programming, 4 settings per day
- Operate in automatic, manual, or vacation modes
- Battery operated with low battery indicator keeps program for 30 seconds when changing batteries
- Wall plate accepts 2, 3, 4 or 5 wires
- Dimensions: 3.8" x 4.9" x 1"

Non-Programmable

- Use for heating only — 2 wire
- Digital display — extremely accurate
- Replaces standard dial thermostat
- Rated 1.5 amps @ 30 volts
- Manual thermostat, plug in a day setting and a night setting
- Battery operated with low battery indicator
- Dimensions: 3.1" x 3.1" x .08"



Ordering Information

Thermostats		
Heating and Cooling Electronic Thermostat		
5000.1	PSP511C	Lux Programmable Thermostat
Line Voltage Thermostats For Electric Baseboard & Convectors		
5000.512	TH-106	Aube Programmable 2 – Wire Thermostat
5000.621	TH-115-A-240D	Aube Programmable 4 – Wire Thermostat

Low Voltage Thermostats For Forced Air, Hot Water and Air Conditioning		
5000.59	TH-141-HC-28	Aube Programmable Thermostat
5000.501	TH-135-01	Aube Non-Programmable Thermostat

Alarms and Detectors



Carbon Monoxide Alarms

Hard Wired — New Con. AC-900-0121

- Digital display — continuous monitoring
- Interconnect with up to 24 units
- Sealed cover protects sensor during construction
- Battery backup
- 85 db alarm

Plug-In 900-0076-01

- Direct plug in with battery back up
- 6' Pull-out cord
- Digital display
- Test and reset button
- 85 db alarm
- Peak level memory

Plug-In 900-0263

- Electro-Chemical CO Sensor
- Direct plug in with battery back up
- LED indicators for normal and alarm mode
- Test and reset button
- 85 db alarm

Battery Operated 900-0146-04

- Digital readout
- Test and reset button
- 85 db alarm
- Peak level memory

Battery Operated 9C05

- Electro-Chemical CO sensor
- LED indicators for normal and alarm mode
- Test and reset button
- 85 db alarm

10 Year Sealed Lithium Battery

- No battery replacement required over the 10 year life of the alarm — versus a typical alarm battery that last only one year
- 10x Longer life
- Easy installation and start-up



5020.255



5020.993



5020.279



5020.201A



5020.991A



C3010

Ordering Information

Carbon Monoxide Alarms		
Hard Wired — New Construction		
5020.255	AC-900-0121	Kidde CO Alarm
Plug-In		
5020.993	900-0076-01	Kidde Nighthawk
5020.279	900-0263	Kidde CO Alarm

Carbon Monoxide Alarms		
Battery Operated		
5020.201A	900-0146-LP	Kidde CO Alarm
5020.991A	9C05-LP	Kidde CO Alarm
5000.701	C3010	Kidde CO Alarm Lithium — 10 Year

Alarms and Detectors

INFORMATION: Carbon Monoxide is a colorless, odorless and tasteless poison gas that can be fatal when inhaled. It inhibits the blood's capacity to carry oxygen.

CO is a by-product of any organic material that is burned such as oil, gas, propane and wood. Any atmospherically vented appliance or fireplace in the home has the potential to back draft and introduce CO to the indoor air. Non-electric furnaces, ranges, clothes driers, water heaters, fireplaces, wood or pellet stoves are all potential sources of CO. Ideally, all appliances should be directly vented to the outside.

Properly equip your home with carbon monoxide alarms on every level and in sleeping areas. The only safe way to detect CO in your home is with a CO alarm.

Combination CO and Smoke Alarm

Hard Wire — New Construction

- Hard Wire 120 VAC Unit
- Ionization sensor for smoke
- Battery backup in case of power failure
- Interconnectable with up to 24 units
- LED indicator lights
- Voice alarm states:
 - “Fire! Fire!” accompanied by 85 db alarm
 - “Warning: Carbon Monoxide” accompanied by 85 db alarm
 - “Low Battery”



5020.9951

Battery Operated

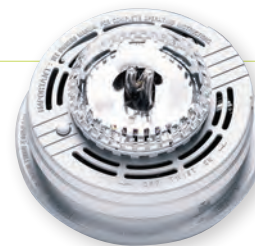
- Ionization sensor for smoke
- Test and reset button
- LED indicator lights
- Voice alarm states:
 - “Fire! Fire!” accompanied by 85 db alarm
 - “Warning: Carbon Monoxide” accompanied by 85 db alarm
 - “Low Battery”



5020.994

Strobe Light For Hearing Impaired

- Use with up to 24 hard wired Kidde CO and Smoke/Fire Alarms
- Provides a visual signal
- Meets UL 1971, NEMA and ADA standards
- Bright 177 Candela Strobe



5020.31

Ordering Information

Combination CO and Smoke Alarm		
Hard Wire — New Construction		
5020.9951	900-0114-02	Kidde Combination CO and Smoke Alarm
Battery Operated		
5020.994	900-0102	Kidde Combination CO and Smoke Alarm

Strobe Light for Hearing Impaired		
5020.31	SL177i	Kidde Strobe

Smoke and Fire Detectors

Wireless Smoke Detector 0919

- Ionization sensor
- Battery powered
- Interconnects with up to 24 units
- When one sounds they all sound
- LED indicates stand-by and alarm condition
- Test and hush button
- 85 db alarm

Battery Operated Smoke Detectors 900-0136

- 10 Year lithium battery — sealed
- Great for multi family, rentals, colleges and public buildings
- Ionization sensor
- LED power indicator lights
- Tamper resistant
- Test and hush button
- 85 db alarm

Battery Operated Smoke Detectors 442-007-02

- Ionization and photoelectric sensors
- Detects both fast burning and slow smoldering fires
- Hush, test and reset button
- 85 db alarm

Battery Operated Smoke Detectors 0914E

- Ionization sensor
- Low battery indicator
- 85 db alarm
- Test and hush button

Battery Operated Smoke Detectors 0915E

- Ionization Sensor
- Low battery indicator
- Test Button
- 85 db alarm



5020.32



5020.272



5020.29



5020.27



5020.271

Ordering Information

Smoke and Fire Detectors		
Wireless		
5020.32	0919	Kidde Wireless Smoke Alarm

Smoke and Fire Detectors		
Battery Operated		
5020.272	900-0136-003	Kidde Sealed Alarm
5020.29	442-007-02	Kidde Dual Smoke and Fire Alarm Model
5020.27	0914E	Kidde Smoke and Fire Alarm
5020.271	0915E	Kidde Smoke and Fire Alarm

Alarms and Detectors

Smoke and Fire Detectors

Hard Wired Smoke Detectors New Construction P12010

- Ionization and photoelectric sensors
- Interconnect with up to 24 units
- Battery backup
- LED power indicator light
- Hush feature and test/reset button
- 85 db alarm



5020.291

Hard Wired Smoke Detectors New Construction 12040

- Ionization sensor
- Interconnect with up to 24 units
- Battery backup
- LED power indicator light
- Test and hush buttons
- 85 db alarm



5020.276

Hard Wired Smoke Detectors New Construction PE120

- Photoelectric sensor
- Interconnect with up to 24 units
- Battery backup
- LED power indicator light
- Test and hush buttons
- 85 db alarm



5020.274

INFORMATION: There are two types of smoke sensors available — Photoelectric and Ionization.

Photoelectric Sensors detect smoldering, slow moving fires while Ionization Sensors detect fast moving fires with flames.

Smoke Detectors that have both sensors are always a good choice to ensure maximum safety. Installers should check with local code officials to make sure you are in compliance with local regulations.

Ordering Information

Smoke and Fire Detectors		
Hard Wired — New Construction		
5020.291	P12010	Kidde Dual Sensor Hard Wire Smoke Alarm
5020.274	PE120	Kidde Photoelectric Smoke Alarm
5020.276	12040	Kidde Ionization Smoke Alarm

HEPA Filtered Lead Vacuums



HEPA Filtered Lead Vacuums

- Sizes available:
 - 2.5 gallon
 - 6 gallon
 - 10 gallon
 - 15 gallon
 - 55 gallon
- Can easily be converted for dry or wet applications
- Final stage H.E.P.A. filter is up to 99.99% effective at 0.3 microns which meet or exceed O.S.H.A. and E.P.A. standards
- 2 year quality assurance warranty
- All vacuums come with tool kits and filters



LV10



LV02



LV15

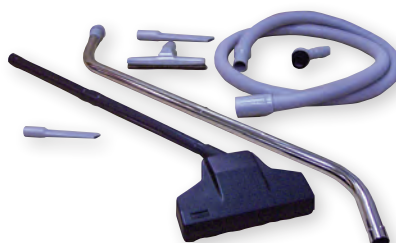


LVW15

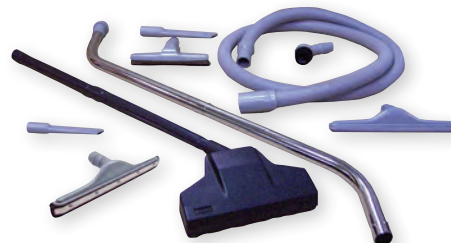
Tool Kits that are included with vacuums — see list



LVK100



LVK200



LVK300

Definitions of Terms

High Efficiency Particulate Air (HEPA)

True HEPA filters remove 99.97% of airborne particles down to 0.3 microns in diameter. This standard meets or exceeds both OSHA and EPA standards for cleaning the air of lead dust.

HEPA Filtered Lead Vacuums

Vacuum Accessories

Bit Buddie Dust Free Drill Accessories

- Vacuums up dust and slurry as it is made
- Vacuum pressure holds it in place — no clamps necessary
- Save time and money associated with clean up



Rotary Beater Brush

The Rotary Beater Brush is used to clean carpet and furniture pulling up fine particles and dust.



Ordering Information

			CFM	Tank Size Gals.	Weight lbs.	Dimensions	Volts/Amps	Tools Included	Pick Up Type
Nikro HEPA Filtered Lead Vacuums									
7000.321	LV02	2 Gallon HEPA Vac	114	2	13	12" x 10" x 21"	115/10.5	LVK100	Dry
7000.321B	LV02 BP00288DV	With Backpack	114	2	13	12" x 10" x 21"	115/10.5	LVK100	Dry
7000.322	LV10	10 Gallon HEPA Vac	112	10	25	16" x 15" x 24"	115/10.5	LVK200	Moist or Dry
7000.323	LV15	15 Gallon HEPA Vac	119	15	53	22" x 20" x 33"	115/13	LVK200	Moist or Dry
7000.324	LVW15	15 Gallon HEPA Wet/Dry	119	15	65	22" x 20" x 45"	115/13	LVK300	Liquid or Dry
Vacuum Accessories									Pack QTY
7000.341	520033P	Collection Bags LV02/10							6
7000.342	520037	Dacron Filter Bag – LV02/10							6
7000.343	862006P	Micro Impaction Filters LV02/10							
7000.344	861969	HEPA Filter LV02/10							6
7000.351	520032P	Collection Bags LV15							
7000.352	520210	Dacron Filter Bag — LV15							
7000.353	520316P	Micro Imp Filters LV15							10
7000.354	520307	HEPA Filter LV15							
Bit Buddie									
7000.361	D1900	1 3/8" Bit Buddie — With Hose							
7000.362	D1905	1" to 4" Bit Buddie — With Hose							
Rotary Brush									
7000.391	861972	11" Rotary Beater Brush							

Water Conservation Products



INFORMATION: All flow rates measured at 80 PSI

Massaging Adjustable Showerheads

- 2.0 GPM or less
- High-impact plastic body; white or chrome finish
- Adjustable non-aerating spray and pulsating spray



Waterpik Showerhead

- 1.5 GPM
- Three spray settings
- Chrome finish



Hand-Held Showerhead

- 1.5 GPM
- High-impact plastic body
- Adjustable non-aerating spray and pulsating spray
- Chrome finish
- 6' flexible hose



Ordering Information

Massaging Adjustable Showerheads	
3000.163	1.5 GPM Showerhead White
3000.164	1.5 GPM Showerhead Chrome
3000.162	1.75 GPM Showerhead White
3000.161	1.75 GPM Showerhead Chrome
3000.081	2.0 GPM Showerhead White
3000.16	2.0 GPM Showerhead Chrome

Waterpik Showerhead	
3000.801	1.5 GPM Waterpik Showerhead

Hand-Held Showerhead	
3000.18	1.5 GPM Hand-Held Showerhead Chrome

Water Conservation Products

Faucet Aerators

Aerator

- Chrome-plated solid brass body

Swivel Aerator

- Swivel control to direct flow all around the sink in a solid stream or a wide spray
- Features flow-control lever for temporary water interruption



Miscellaneous Water Saving Products

Teflon Tape

- 0.5" wide x 30" long

5 Minute Shower Timer

- Large suction cup on the back to adhere the timer to the wall



Water Temperature Card

- If your water temperature is too high, turning down the water tank temperature setting will reduce your energy costs

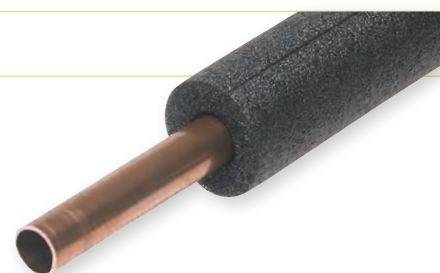
Toilet bank

- Maintenance-free toilet displacement bag saves up to 0.8 gallons with every flush



Pipe Insulation

- Flexible elastomeric foam pre-slit for easy installation
- Suitable for use on domestic hot water pipes only
- Tolerates temperatures from 90°F to 180°F
- Comes in a 4 pack of 3' (a total of 12')
- R-value = 2.2



Ordering Information

Faucet Aerators	
3010.025	0.5 GPM Standard Aerator — Needle
3010.024	1.0 GPM Standard Aerator — Needle
3010.03	1.0 GPM Standard Aerator — Bubble
3010.02	1.5 GPM Standard Aerator — Bubble
3010.31	1.5 GPM Swivel Aerator with Shutoff — Chrome/Black
3010.424	1.5 GPM Swivel Aerator with Shutoff — White/Chrome

Miscellaneous Water Saving Products	
6800.011	Teflon Tape — Single Application
3030.31	5 Minute Shower Timer
3040.99	Water Temperature Card
3020.10	Toilet Tank Bank

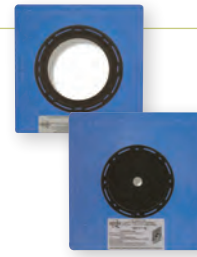
Hot Water Pipe Insulation	
4000.032	5/8" x 3" Pipe Insulation 1/2" ID x 3/8" wall x 3' length
4000.033	7/8" x 3" Pipe Insulation 3/4" ID x 3/8" wall x 3' length



Exterior Rain Control

Quick Flash Rain Control Panels

- Effectively seal plumbing, electrical, and HVAC penetrations from rain
- Suitable for residential and commercial applications
- Designed to work under wood and vinyl siding, stucco, brick and stone veneers
- Easy and quick installation
- Eliminate the use of unreliable caulk
- Panels are made of high-grade polyethylene plastic and thermo plastic rubber
- Non-conductive and impervious to rust and corrosion



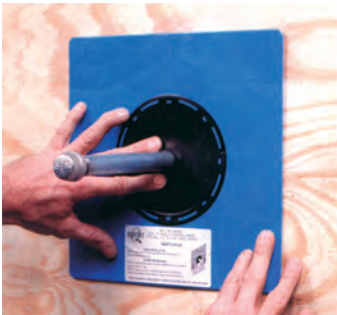
Plumbing/HVAC
Flashing Panels



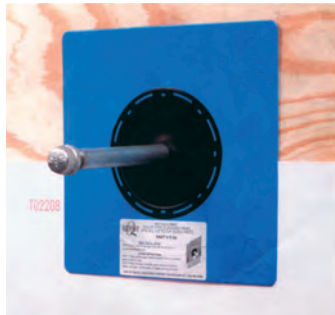
Electrical Flashing Panels

VERY IMPORTANT: Quickflash electrical flashing panels are designed to be installed over the specified electrical boxes only and to be used for vertical structure application only. Please call for a copy of the Electrical Box Cross Reference guide or get a copy on efi.org/wholesale.

Typical Installations



1



2



3



4

Ordering Information

Plumbing and HVAC Penetration Panels — Case qty = 12 pieces

3570.611	P-50	Plumb Panel 0.5" – 0.75"
3570.612	P-100	Plumb Panel 1.0" – 1.25"
3570.613	P-150	Plumb Panel 1.5" – 1.75"
3570.614	P-200	Plumb Panel 2.0" – 2.50"
3570.615	P-300	HVAC Panel 3" ABS

3570.616	P-400	HVAC Panel 4" ABS
3570.617	P-600	HVAC Panel 6" Sheet Met
3570.618	P-2PS	Plumb Panel 2 Piece 0.5" – 2"
3570.62	250C	AC Line Set Panel

Lap Siding

1 Coat Stucco

3 Coat Stucco

EIFS

Electrical Box and Outlet Panels — Case qty = 12 pieces

3570.601	E-SGB	✓		✓	
3570.602	E-SGB-A .875"				✓
3570.603	E-SGB-A 1 .375"		✓	✓	
3570.604	E-SGR		✓	✓	
3570.605	E-3/0 B	✓		✓	
3570.606	E-3/0 B-A .875"			✓	
3570.607	E-3/0 B-A 1 .375"		✓		✓
3570.608	E-4/0 B	✓		✓	
3570.609	E-PC-3/0	✓		✓	
3570.610	E-PC-4/0	✓		✓	

Policies and Procedures



The staff of EFI's Wholesale Division looks forward to working with our customers to provide the highest quality, energy efficient products available at competitive prices. We ship orders throughout the United States from two warehouse locations: Southborough, Massachusetts and Kaukauna, Wisconsin.

Ordering Information

Our hours of operation are from 8:00 am to 5:00 pm (Eastern Standard Time in MA and Central Standard Time in WI), Monday through Friday. Our customers are always welcome to visit us to get information or pick up orders.

Headquarters

40 Washington Street
Westborough, MA 01581
Tel 800/876/0660
Fax 888/440/4219

East Coast Sales Office

1 Willow Street
Southborough, MA 01772
Tel 800/876/0660 X1
Fax 877/313/8808

Mid-West Sales Office

2031 Progress Way
Kaukauna, Wisconsin 54130
Tel 800/962/7015

You can find us on the Web at efi.org/wholesale or email us at wholesale@efi.org

Shipping

Every effort is made to ship all wholesale orders on the same day they are placed. Orders are generally shipped via UPS ground service. US Mail service is also available. Large orders may be shipped via common carrier. Overnight and second day air services are available for the convenience of our customers. The cost of overnight and second day service is the responsibility of the customer. When applied, shipping charges are passed through to our customers at the same rate we receive from our carriers – we do not charge for handling or mark up freight.

Pricing

EFI is committed to maintaining fair, competitive pricing and we welcome feedback from our customers. Prices are subject to change without notice.

Payment Terms

EFI accepts cash, checks, money orders, MasterCard, Visa, American Express or Discover. We will be happy to set up a net 30 account for qualifying customers who have filled out a credit application. If necessary, we can ship orders C.O.D. Shipping charges will be added to the invoice – F.O.B. our dock. In most cases, we will not charge freight for orders over \$3,000 within the continental United States. The exceptions to this are foam canisters and oversized products such as weatherstripping. **Haz-mat fees for products that require them are passed on regardless of order size.** In an effort to help our customers, EFI continues to work with carriers to negotiate the best possible freight rates. These freight policies are subject to change without notice. EFI reserves the right to charge freight or add fuel surcharges when necessary as a result of rising transportation costs.

Returns

We want to make sure our customers are satisfied with our products. EFI will honor all manufacturers' warranties for the products we sell. If a product does not meet your expectations, please contact us to arrange for an exchange, credit or refund. Returns are accepted within 30 days for full credit on unused products in original packaging. Please call to get a Return Materials Authorization (RMA) number before returning product.

EFI cannot accept returns or issue credit on the following products: caulking, sealants, mastic, foams, and tapes.

Your Trusted Advisor

Energy Federation, Inc believes it is essential to encourage people to use our planet's limited energy and water resources wisely. We assist people in these efforts by offering high quality conservation products and services at affordable prices while communicating practical, objective information. We believe that by following this mission, our work will lead to an improved quality of life and economic condition.



What's New Inside:

- Dozens of LED bulbs and fixtures
- Panasonic WhisperGreen Select Fans
- Venmar HRVs and ERVs
- TEC Blower Door and Duct Blaster
- Flir IR Cameras
- Extech Measuring Devices
- SIGA Seam Sealing Tapes
- Recessed Can Air Sealing Covers
- NEST Thermostat
- Advanced Power Strips
- EFI is also carrying Commercial Lighting – ask for details